

FOR CANADA, SEE THE SEPARATE SHEETS FOR WARRANTY/GUARANTIE AND JVC AUTHORIZED SERVICE CENTERS IN CANADA.

LIMITED WARRANTY

JVC
WIDE SCREEN PROJECTION TV

COLOR TV 1-1-2

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period as shown below.

1. **Parts.** The lenticular (front) screen is warranted against defects in materials and workmanship for a period of 60 days. Picture tubes are covered for 2 years. All other parts are warranted for a period of 1 year.
2. **Labor.** For 60 days after the original purchase at retail, JVC will repair or replace, at our option, the lenticular (front) screen if it proves defective. For all other parts JVC will provide the labor for a warranty repair for 1 year.

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:

If this product is found to be defective, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis except for Television sets having a screen size 25 inches and above which are covered on an in-home basis.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Return your products to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll free: (800) 537-5722.

If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus a letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location of which will be given to you by the toll-free number.

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
2. Initial installation and installation and removal for repair;
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus (Needle) are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase).

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

BT-52001-1

JVC COMPANY OF AMERICA
DIVISION OF US JVC CORP.

41 Slater Drive
Elmwood Park, New Jersey 07407

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

JVC

JVC COMPANY OF AMERICA
DIVISION OF US JVC CORP.
41 Slater Drive, Elmwood Park, N.J. 07407

JVC CANADA INC.
21 Finchdene Square, Scarborough Ontario M1X 1A7

NV-55BX6-IBA-A (A)1
0795-NK-AB

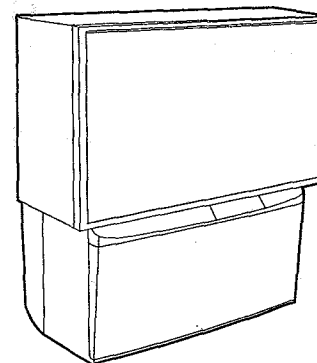
NV-55BX6

WIDE SCREEN PROJECTION TELEVISION

INSTRUCTIONS

Thank you for purchasing this JVC wide screen projection television.
To ensure your complete understanding, please read this manual thoroughly before operation.

- Safety Precautions on page 2 & 3
- Service Information (U. S. A only) on page 47
- Limited warranty (U. S. A only) on back cover



DOLBY SURROUND
PRO • LOGIC

For Customer Use:

Enter below the Model No. and Serial No. which are located on the rear of the cabinet. Retain this information for future reference.

Model No. NV-55BX6

Serial No.

PREPARATION (page 8)

1. Connecting Antenna and Power cord
2. Inserting Batteries into your Remote Control
3. Turning the Power ON/OFF
4. Allocating Stations to Channels
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Changing the Picture's Aspect Ratio
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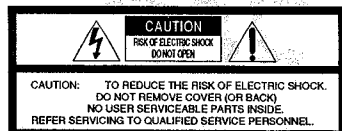
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NV-55BX6 OPERATING INSTRUCTIONS

NV-55BX6

(No. 50988)

SAFETY PRECAUTIONS



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION:

To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

IMPORTANT SAFEGUARDS

CAUTION: Please read and retain for your safety.

This TV set has been engineered and manufactured to assure your personal safety. But *improper use can result in potential electrical shock or fire hazard.* In order not to defeat the safeguards incorporated in this TV set, observe the following basic rules for its installation, use and servicing, and follow all warnings and instructions marked on the set.

INSTALLATION

- 1 Your TV set is equipped with a polarized AC line plug (one blade of the plug is wider than the other).

(POLARIZED-TYPE)



This safety feature allows the plug to fit into the power outlet only one way. Should you be unable to insert the plug fully into the outlet, try reversing the plug.

Should it still fail to fit, contact your electrician.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

Caution:

Changes or modifications not approved by JVC could void the warranty.

CAUTION: TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Caution:

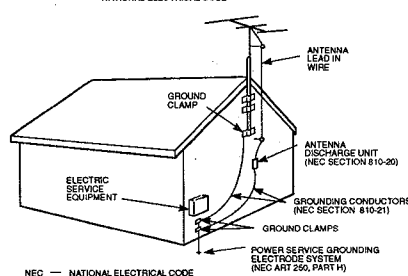
When you don't use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.

- 2 Operate the TV set only from a power source as indicated on the TV set or refer to the operating instructions for this information. If you are not sure of the type of power supply to your home, consult your TV set dealer or local power company. For battery operation, refer to the operating instructions.
- 3 Overloaded AC outlets and extension cords are dangerous, and so are frayed power cords and broken plugs. They may result in a shock or fire hazard. Call your service technician for replacement.
- 4 Do not allow anything to rest on or roll over the power cord, and do not place the TV set where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
- 5 Do not use this TV set near water — for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near swimming pool, etc.

- 6 If an outside antenna is connected to the TV set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit and connection requirements for the grounding electrode.

- 7 An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



- 8 TV sets are provided with ventilation openings in the cabinet to allow heat generated during operation to be released. Therefore:
 - Never block the bottom ventilation slots of a TV set by placing it on a bed, sofa, rug, etc.
 - Never place a TV set in a "built-in" enclosure unless proper ventilation is provided.
 - Never cover the openings with a cloth or other material.
 - Never place the TV set near or over a radiator or heat register.
- 9 To avoid personal injury:
 - Do not place a TV set on a sloping shelf unless properly secured.
 - Use only a cart or stand recommended by the TV set manufacturer.
 - Do not try to roll a cart with small casters across thresholds or deep pile carpets.
 - Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.

USE

- 10 Caution children about dropping or pushing objects into the TV set through cabinet openings. Some internal parts carry hazardous voltages and contact can result in a fire or electrical shock.
- 11 Unplug the TV set from the wall outlet before cleaning. Use a slightly damp (not wet) cloth. Do not use liquid or an aerosol cleaner.
- 12 Never connect an accessory to your TV that has not been specifically designed for the purpose for which you intend to use it. Improper connections can cause fire hazards.
- 13 For added protection of the TV set during a lightning storm or when the TV set is to be left unattended for an extended period of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to product due to lightning storms or power line surges.
- 14 A TV set and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the TV set and cart combination to overturn.



SERVICE

- 15 Unplug this TV set from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the TV set.
 - C. If the TV set has been exposed to rain or water.
 - D. If the TV set does not operate normally by following the operating instructions. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV set to normal operation.
 - E. If the TV set has been dropped or damaged in any way.
 - F. When the TV set exhibits a distinct change in performance — this indicates a need for service.
- 16 Do not attempt to service this TV set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 17 When replacement parts are required, have the service technician verify in writing that the replacement parts he uses have the same safety characteristics as the original parts. Use of manufacturer's specified replacement parts can prevent fire, shock, or other hazards.
- 18 Upon completion of any service or repairs to this TV set, please ask the service technician to perform the safety check described in the manufacturer's service literature.
- 19 When a TV set reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask a qualified service technician to dispose of the TV set.
- 20 Note to CATV system installer.
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

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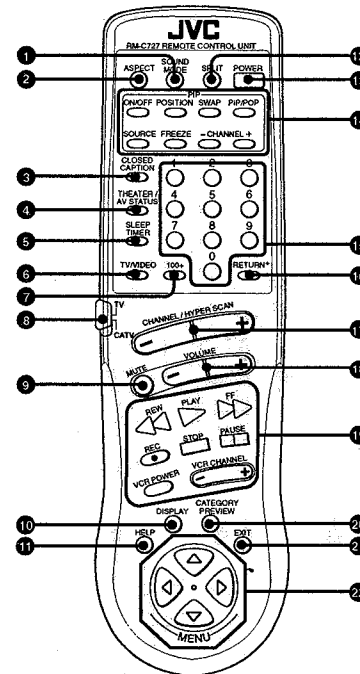
**** FOR PRODUCTS PURCHASED IN CANADA
 SEE SEPARATE SHEETS FOR WARRANTY/
 GARANTIE AND JVC AUTHORIZED SERVICE
 CENTERS IN CANADA.**

For Optimum Viewing

Sit directly in front of the TV to watch it.
 The middle of the screen should be at your
 eye level. Partially darkening the room
 improves contrast and picture sharpness.

* Manufactured under license from Dolby
 Laboratories Licensing Corporation. Additionally
 licensed under Canadian patent 1,037,877.
 "Dolby" and the double-D symbol  are
 trademarks of Dolby Laboratories Licensing
 Corporation.

Location of Remote Control Buttons

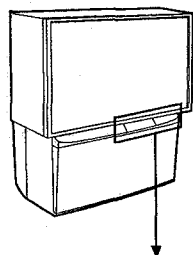


① SOUND MODE button	p.21, 22
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③ CLOSED CAPTION button	p.34
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⑨ MUTE button	p.23
⑩ DISPLAY button	p.32
⑪ HELP button	p.16
⑫ SPLIT button	p.14
⑬ POWER button	p.9
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⑯ RETURN+ button	p.33
⑰ CHANNEL/HYPER SCAN (+/-) button	p.11
⑱ VOLUME (+/-) button	p.11
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㉑ EXIT button	p.16
㉒ MENU (▼▲◀▶) buttons	p.16

• For the locations of TV buttons and parts, please refer to page 6.

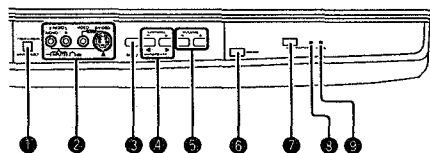
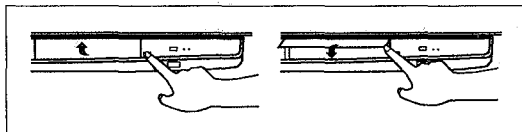
Location of TV buttons and parts

FRONT PANEL



CAUTION

Screen is very delicate. Please handle carefully.



1 INPUT 3 SELECT switch	p.38
2 INPUT 3 jacks	p.38
3 MENU (▼) button	p.6
4 OPERATE (◀▶) / CHANNEL (←→) buttons	p.6
5 VOLUME (—/+) buttons	p.6
6 Door open button	p.6
7 POWER button	p.9
8 POWER lamp	p.9
9 ON TIMER lamp	p.30, 31

Using the TV Buttons on the console

POWER button: The power turns on or off each time the button is pressed.

VOLUME (—/+) buttons: Adjust the volume.

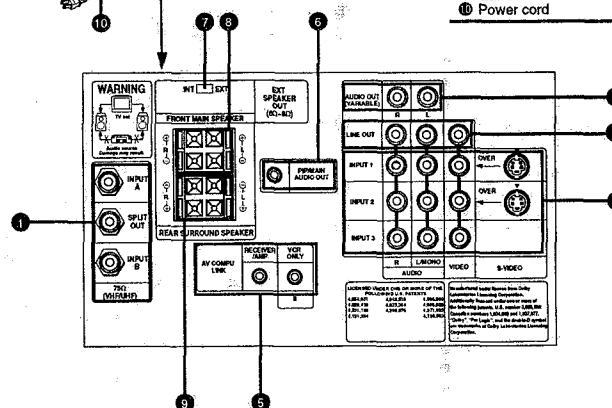
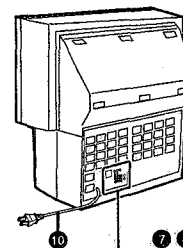
OPERATE (◀▶) / CHANNEL (←→) buttons: Select the programmed channel. Change the setting of a function selected with the Menu ▼ button.

MENU ▼ button: Displays function lists. While the list is displayed, press the button repeatedly until you get the function you want to adjust.

Notes:

- The front panel does not have a MENU ▲ button or EXIT button.
- To select menu functions, use the MENU ▼ button. To release MENU mode, use the VOLUME (—/+) buttons.
- You cannot set SET LOCK CODE, CHILD TIMER, or channel guard from the front panel.
- When you activate MENU mode from the front panel, the first page of the FRONT PANEL CONTROL menu is displayed. Other pages are the same as those displayed when operating the remote control (refer to page 16).

REAR PANEL



1 Antenna INPUT A, INPUT B, SPLIT OUT	p.8
2 AUDIO OUT (VARIABLE) jacks	p.38
3 LINE OUT jacks	p.7, 38
4 INPUT 1 to 3 jacks	p.38
5 AV COMPU LINK jacks	p.42
6 PIP/MAIN AUDIO OUT jack	p.38
7 Speaker switch	p.39
8 FRONT MAIN SPEAKER jacks	p.38
9 REAR SURROUND SPEAKER jacks	p.38
10 Power cord	p.8

Notes (also see "CONNECTION" on pages 38 to 43):

AUDIO OUT (VARIABLE) jacks:

- Output the sound of the picture on the TV.
- The volume can be adjusted using the TV's VOLUME buttons.

LINE OUT jacks:

- Output the sound and picture from the TV.
- Video and sound input to INPUT 1 are not output.
- Video that is input to the S-VIDEO jack is not output.
- When connecting any INPUT and LINE OUT jacks to the same VCR, use the INPUT 1 jack. If you use another INPUT jack, the picture will be distorted unless you play the VCR.

INPUT 1, 2, 3 jacks:

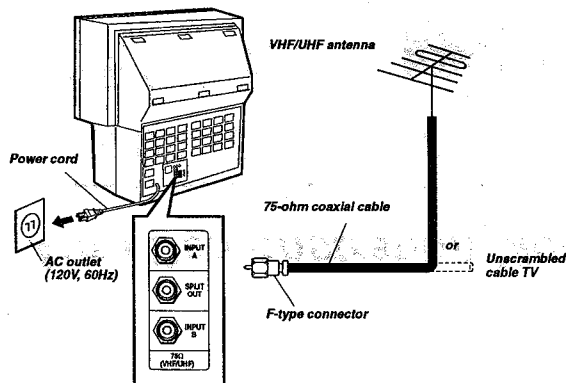
- Connect monaural audio to the L/MONO jack.
- When you are using a VIDEO jack, do not use its corresponding S-VIDEO jack.
- If a JVC video movie camera was used to record a video in squeeze mode, connect an S-VIDEO cable to play it back. The picture is shown in full mode automatically.

Antenna terminal text: See page 8.

Speaker terminal text: See page 38.

1. Connecting Antenna and Power cord

(Example)

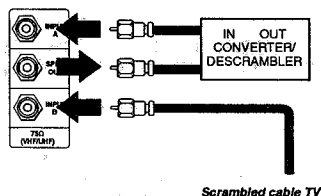


Notes:

- The power cord has a polarized plug. Therefore, it will only insert one way into the wall outlet. DO NOT DEFEAT THE POLARIZED PLUG. If you have problems, consult your local dealer.
- When the power cord is connected to an AC outlet, the POWER lamp turns red.
- After connecting to antenna or cable TV, use AUTO TUNER SETUP to program available channels.

Converter or Descrambler Connections

(Example)



Notes:

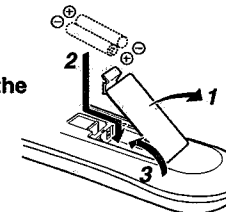
- Some cable companies require a converter box to receive all available programs. Others may require it only for subscription or "premium" programming. Consult your local cable company for correct installation.
- The signal input to the INPUT B antenna terminal will be output as is to the SPLIT OUT antenna terminal.
- Use manual programming to set the channels for INPUT B.

2. Inserting Batteries Into Your Remote Control

1 Raise the latch and remove the cover.

2 Insert two batteries into the battery compartment.

3 Replace the cover.



Condition:

- Use two AAA/R03 batteries.

Caution:

- Follow the cautions printed on the batteries.

Notes:

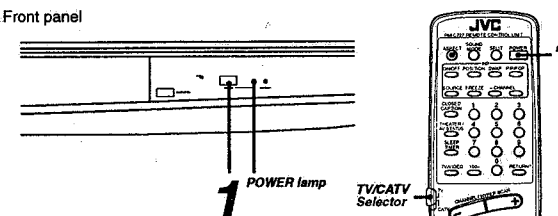
- Battery life is approximately six months to one year depending on frequency of use.
- If the remote control operates erratically, replace the batteries.
- Insert batteries correctly, observing + and - polarities.

If a manufacturer's VCR or CATV converter code has been set:

The set manufacturer's code will be put in memory for a specific time. When you replace the batteries, do so within one minute. If the manufacturer's code is lost, set it again (refer to page 40).

3. Turning the Power ON/OFF

Front panel



1 Press POWER.



The POWER lamp lights up.

- To turn off the TV, press POWER again. The POWER lamp goes off.

Condition:

- When using the remote control, set the TV/CATV selector to TV.

4. Allocating Stations to Channels — AUTO TUNER SETUP

Allocate stations to channels using AUTO TUNER SETUP.

- 1 Press MENU ▼ or ▲ repeatedly to select AUTO TUNER SETUP, then press ◀ or ▶ to enter the setup menu.

The AUTO TUNER SETUP menu is displayed.



- 2 Press MENU ▼ or ▲ to move the cursor to AUTO (STD, HRC, IRC) or AUTO (OTHERS), then press ◀ or ▶ to select it.

Setup starts automatically.

- This completes the procedure. PROGRAMMING OVER is displayed when setup is complete.

AUTO (STD, HRC, IRC):
Almost all the cable companies use one of the following systems:

- Standard.
- Harmonically Related Carrier.
- Incrementally Related Carrier.

AUTO (OTHERS):
For those other than the above.

- Notes:**
- If you experience a problem, call your cable company. If they use a different system (not STD, HRC, IRC), repeat step 1 and in step 2 select AUTO (OTHERS).
 - For details on menu functions, refer to page 16.
 - Press CHANNEL/HYPER SCAN (-/+) to see which channels were set.
 - To add a channel to or delete a channel from the AUTO TUNER SETUP, refer to "To set a channel to be scanned" on page 26.

5. Auto Demonstration Mode — AUTO DEMO

You can view a demonstration of many of this TV's functions. Using auto demonstration mode before operating the TV will make it easier to understand.

- 1 Press MENU ▼ or ▲ repeatedly to select AUTO DEMO, then press ◀ or ▶.



The demonstration starts.

- To stop the demonstration, press any button.

Note:

- This demonstration mode repeats about every six minutes.

Watching a Television Program —TV/VIDEO, TUNER MODE

- 1 Press POWER.

The POWER lamp lights up.

- 2 If video mode (VIDEO-1, 2, 3) has been selected, press TV/VIDEO repeatedly to switch it to AIR (or CABLE).

TV mode → VIDEO-1 → VIDEO-2 → VIDEO-3

TV mode:
CABLE is displayed if you turned off the TV after watching a cable TV broadcast.

- 3 Press MENU ▼ or ▲ repeatedly to select the ANTENNA, then press ◀ or ▶ to select INPUT A or INPUT B.

INPUT A ↔ INPUT B

- 4 If necessary, press MENU ▼ or ▲ repeatedly to select TUNER MODE, then press ◀ or ▶ to select AIR or CABLE.

AIR ↔ CABLE

Channel display:
The channel number is displayed in light blue for AIR, and in yellow for CABLE.

Note:

- TUNER MODE (AIR or CABLE) is automatically selected during AUTO TUNER SETUP.

CHANNEL/HYPER SCAN (-/+) BUTTON:
The CHANNEL/HYPER SCAN (-/+) button is a two stage button. Its function changes depending on how long you press it.

NORMAL SCAN UP/DOWN:
Each time you press the button lightly (1st stage), the preset stations are scanned one at a time.

HYPER SCAN UP/DOWN:
When you press the button strongly (2nd stage), stations are scanned rapidly. Only stations allocated to channel numbers are scanned. A station is selected when you release the button.

Notes:

- Only preset channels can be selected with scan selection (refer to page 9).
- The button on the front panel allows NORMAL SCAN UP/DOWN only.

Note:

- You can also use VOLUME (-/+) on the front panel.

- 6 Press VOLUME (-/+).

The level indicator appears.

- + : The bars move right and the volume increases.
- : The bars move left and the volume decreases.

- 7 Press POWER to turn the power off.



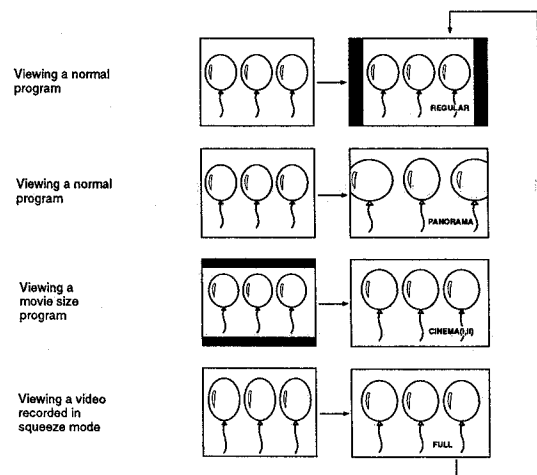
The POWER lamp goes off.

Changing the Picture's Aspect Ratio

—ASPECT

You can watch programs with the usual TV picture ratio of 4:3, and 16:9 movie size programs.

1. Press ASPECT repeatedly to change the aspect ratio.



Note:

- When a video disc player, video movie camera, and other equipment are connected by S-VIDEO cable, the aspect ratio may change automatically when you start playback. Change the aspect ratio manually if necessary.

Note:

- The sides of the picture are slightly stretched.

Note:

- If the subtitles are difficult to read, raise the picture (see page 13).

Notes:

- When viewing a video recorded in squeeze mode by a JVC video movie camera, the picture is shown in FULL mode automatically if you use S-VIDEO cable.
- For normal programs, the picture is slightly stretched.

Raising the picture in CINEMA I or CINEMA II

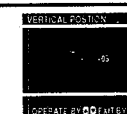
—VERTICAL POSITION

In CINEMA I or CINEMA II mode, if subtitles are not visible, you can raise the picture.

Condition:

- Set the Aspect Ratio to CINEMA I or CINEMA II.

1. Press MENU ▼ or ▲ repeatedly to scroll to VERTICAL POSITION, then press ◀ or ▶ to select it.



2. Press MENU ▼ or ▲ to adjust the vertical position.

- This completes the procedure. To leave the menu, press EXIT.

—VERTICAL SIZE

1. Press MENU ▼ or ▲ repeatedly to scroll to VERTICAL SIZE, then press ◀ or ▶ to select it.



2. Press MENU ▼ or ▲ to adjust the vertical size.

- This completes the procedure. To leave the menu, press EXIT.

Two-picture Screen

—SPLIT, PIP or POP

Two screens (one large and one small) can be displayed at the same time. While viewing playback from a VCR, you can also watch TV.

Conditions:

- Connect the playback device (for example, VCR) (refer to page 38).
- You can only listen to the sound of the PIP picture by using cordless headphones (not supplied) (refer to page 38).

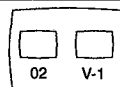
See two pictures from different sources side by side on the screen

— SPLIT

This function is like the PIP function, except the two pictures are displayed next to each other and are the same size.

1. Press SPLIT.

The screen displays two pictures, each one-fourth of normal size.



2. To return to the original screen, press SPLIT again.

To display the PIP or POP picture

— ON/OFF

1. Press ON/OFF.

The PIP or POP picture appears.

2. To remove the PIP or POP picture, press ON/OFF again.

The PIP or POP picture disappears.

PIP:
Picture In Picture

POP:
Picture Outside Picture

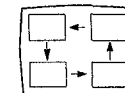
Notes:

- Two programs in different broadcast modes (CHANNEL, CABLE A, CABLE B) cannot be viewed simultaneously.
- If there is no picture in the MAIN picture frame, a PIP or POP picture will not appear.

To change the position of the PIP or POP picture

— POSITION

1. Each time you press POSITION, the PIP or POP picture changes position.



To swap the MAIN picture and the PIP or POP picture

— SWAP

1. Press SWAP.

The MAIN picture and PIP or POP picture swap places.

To switch the PIP or POP picture input

— SOURCE

1. Press SOURCE repeatedly to select the desired input.

→TV mode→VIDEO-1→VIDEO-2→VIDEO-3

TV mode:

When watching TV, the channel number is displayed on the screen.

To freeze the PIP or POP picture

— FREEZE

1. Press FREEZE.

The PIP or POP picture pauses.

- To restore the regular picture, press FREEZE again.

Notes:

- If FREEZE is pressed while there is no PIP or POP picture, the PIP or POP picture will appear and then pause.
- If the PIP or POP picture is paused, pressing SWAP, SOURCE, or SIZE unfreezes it.

Selecting PIP or POP

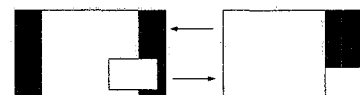
— PIP / POP button

Condition:

- Set the Aspect Ratio to REGULAR (see page 12).

1. Press PIP / POP.

The small picture changes position.



MENU selection

—MENU, HELP, EXIT

Most television functions can be operated from the remote controller. When using menus, you can view screens explaining each function.

1. Press MENU ▼ or ▲.

A list of functions is displayed.

Note:

- From here on, "MENU" will be omitted from ▼ ▲ ► button names.

2. Press ▼ or ▲ repeatedly to select the function you want.

The function you have selected is displayed in yellow.

3. Press ◀ or ▶ to enter the setting screen.

The setting screen of the selected function is displayed.

Note:

- To cancel the operation, press EXIT.

4. Following the on-screen instructions, use ▼ and ▲ to move the cursor and ◀ or ▶ to make settings.

● When you complete this procedure, press EXIT to leave the menu screen.

Viewing explanations of functions

—HELP

1. Press HELP during menu operations.

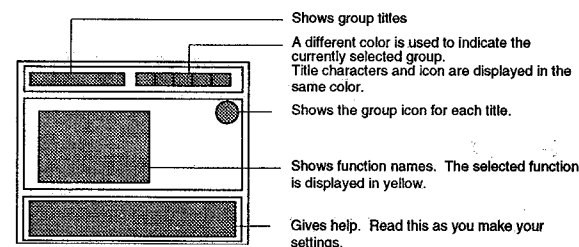
The screen shows an explanation of the currently selected function or tells you how to make settings.

Note:

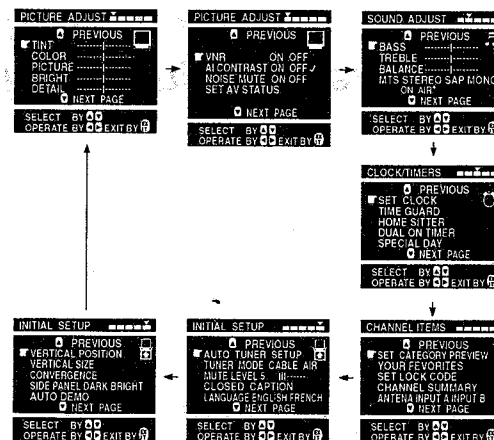
- If you press HELP before making settings (when the function name is displayed in yellow), the help screen explains the function. If you press HELP while making settings, the screen tells you how to make settings.

2. To return to the original screen, press HELP again.

MENU Screens



MENU Screen List



Adjusting the TV to Room Conditions

—THEATER/AV STATUS

Adjust the picture instantly to suit the program you are watching and the room you are in.

1. Press **THEATER/AV STATUS** repeatedly to select the mode.

THEATER → BRIGHT ROOM → CHOICE → RESET

- The picture changes to the selected mode.
The display disappears automatically after a few seconds.

THEATER:

- Makes the picture softer and deeper. Darken the room when viewing to get the best effect.
- TINT, COLOR, PICTURE, BRIGHT, and DETAIL sliding scales are set to the center.

BRIGHT ROOM:

- Suitable for watching in a bright room. PICTURE is set to maximum.

CHOICE:

- Refer to page 22.

RESET:

- TINT, COLOR, PICTURE, BRIGHT, and DETAIL are set to the center.

Adjusting the Picture

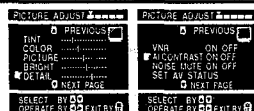
—TINT, COLOR, PICTURE, BRIGHT, DETAIL, VNR, NOTCH

Adjust the picture to suit the program and room brightness, as you like.

1. Press the **MENU** buttons to display the picture adjustment screen.



2. Press **▼** or **▲** to scroll to an item, then press **◀** or **▶** to set its level (or switch it ON/OFF).



- This completes the procedure.
To leave the menu, press EXIT.

Notes:

- There are two pages for picture adjustment.
- For NOISE MUTE, refer to page 34, and for SET AV STATUS, page 22.

Note:

- For details on menu operations, refer to page 16.

Restoring factory settings:

Press **THEATER/AV STATUS** repeatedly to select RESET.

Note:

- The selected item is displayed in yellow.

VNR:

Video Noise Reduction

AI CONTRAST:

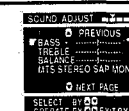
Automatically adjusts the contrast to suit the brightness of the picture you are viewing.

Adjusting the Sound

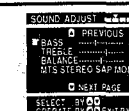
—BASS, TREBLE, BALANCE

Adjust the sound to suit the program and room conditions, if necessary.

1. Press the **MENU** buttons to display the sound adjustment screen.



2. Press **▼** or **▲** to scroll to an item, then press **◀** or **▶** to set it.



- This completes the procedure.
To leave the menu, press EXIT.

Note:

- For MTS, refer to "Listening to Stereo or Bilingual Broadcasts" on this page.

Listening to Stereo or Bilingual Broadcasts

—MTS

Enjoy music and sports programs in stereo or listen to bilingual broadcasts in either language.

MTS:
Multichannel Television Sound

1. Press the **MENU** buttons to scroll to MTS.

"ON AIR" indicates the sound type in use for the current program.



2. Press **◀** or **▶** to select the mode you want (STEREO, SAP, MONO).

- This completes the procedure.
To leave the menu, press EXIT.

Notes:

- MTS has no effect on normal sound broadcasts.
- MTS may not function normally while you are watching cable TV.

STEREO:
Stereo audio program

SAP:
Second Audio Program (for bilingual programs)

MONO:
Use this option when there is a lot of noise.

DOLBY Surround

—DOLBY PRO LOGIC
—DOLBY 3 STEREO

Enjoy the higher sound quality of programs recorded in the Dolby Surround system.

To select DOLBY Surround

1. Press SOUND MODE.

The SOUND MODE menu appears.



2. Press ▼ to scroll to DOLBY PRO LOGIC or DOLBY 3 STEREO, then press ◀ or ▶ to select it.

The setting menu appears.



3. Press ▲ to scroll to FINISH, then press ◀ or ▶ to select it.

● This completes the procedure.
To leave the menu, press EXIT.

To adjust the DOLBY Sound

1. Select the DOLBY Surround (DOLBY PRO LOGIC or DOLBY 3 STEREO).



2. Press ▼ to scroll to TEST TONE, then press ◀ or ▶ to select ON.

The test tone is output from the left, center, and right speakers (and surround speakers if you selected DOLBY PRO LOGIC in step 1) in turn a few seconds apart. Since the tone is broadcast at the same volume from each speaker, you can judge how much to change each speaker's volume to get the effect you want for a particular spot in the room.

3. Press ▼ or ▲ to scroll to an item, then press ◀ or ▶ to set its level.

DOLBY PRO LOGIC:

For when the surround speakers are used (when there is a monaural program, the surround speakers will not output any sound).

DOLBY 3 STEREO:

For when the surround speakers are not used (even if the surround speakers are connected, they will output no sound).

MOVIES / SPORTS / MUSIC:

Refer to next page.

OFF:

For normal sound.

CORDLESS JACK:

Refer to page 39.

CENTER LEVEL:

For adjusting the center speaker's volume.

F/S LEVEL (If "DOLBY PRO LOGIC" selected in step 1):

For adjusting the balance between the TV's front and surround speakers.

L/R BALANCE:

For adjusting the balance between the left and right speakers.

TEST TONE:

When you select ON, outputs a test tone from the left, center, and right speakers (and the surround speakers if you selected DOLBY PRO LOGIC) in sequence 1.5 seconds apart.

DOLBY PRO LOGIC
DOLBY 3 STEREO
DSP

A "Being-There" Sound

—DSP

You can enhance a program's sound by choosing one of three modes besides normal sound: MOVIES, SPORTS, and MUSIC. Each mode has three additional effects so you can further fine tune the sound.

DSP:
Digital Sound Processor

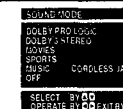
Notes:

- Sound effects are better with a stereo source than a monaural source. If you use LOGIC THEATER or LOGIC HALL with a monaural source, sound is not output from the surround speakers.
- By connecting the surround speakers you can get the effect of being in the center of the music (see page 38).

To set to normal sound:
Select OFF.

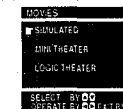
1. Press SOUND MODE.

The Sound Mode menu appears.



2. Press ▼ or ▲ to select the mode you want (MOVIES, SPORTS, MUSIC).

The Sound Mode changes in a few seconds.



3. Press ▼ or ▲ to scroll to an item, then press ◀ or ▶ to select it.

Sound Effect

(select in step 3 above)

Effect

Sample Program

If you select "MOVIES" in step 2:

1. SIMULATED	A monaural program is output as if in stereo.	For soap operas and general TV programs.
2. MINI THEATER	Gives the feeling of a small movie theater.	For regular movies.
3. LOGIC THEATER	Makes the sound image orientation clear, giving motion and depth to the sound.	For DOLBY SURROUND movies.

If you select "SPORTS" in step 2:

1. RING SIDE	Gives the feeling of watching a sports event at the ring side.	For pro-wrestling and boxing programs.
2. STADIUM	Gives the feeling of a large baseball stadium with reverberation effects.	For football, baseball, and stadium concert programs.
3. ARENA	Gives the effect of a domed stadium or place with a high ceiling.	For domed stadium concert programs or basketball.

If you select "MUSIC" in step 2:

1. JAZZ CLUB	Gives the feeling of a small jazz club where the musicians are right before you.	For mini concert programs.
2. SYMPHONY HALL	Gives the feeling of a large concert hall with rich acoustics and depth.	For full-orchestra programs.
3. LOGIC HALL	Gives the effect of a medium-sized concert hall, with reverberation and depth.	For opera and solo concert programs.

● This completes the procedure. The menu disappears in a few seconds.

Storing Picture/Sound Adjustments

— SET AV STATUS

Memorize picture/sound adjustments and use them later to enhance the program being watched.

1. Press the MENU buttons to select SET AV STATUS.

The SET AV STATUS menu appears.



2. Press ▼ or ▲ to scroll to an item, then press ◀ or ▶ to set it (or switch it ON/OFF).



Note:

- Pressing ▼ while at NOTCH displays the sound adjust menu.
- Pressing ▲ while at BASS displays the picture adjust menu.

3. Press ▼ to move the cursor to SAVE AS CHOICE, then press ◀ or ▶ to select it.

- The setting is stored and the MENU screen returns.
- To leave the menu, press EXIT.

To recall stored picture and sound settings.

1. Press THEATER/AV STATUS repeatedly to select CHOICE.



- The television changes to the stored settings.
- The display disappears automatically after a few seconds.

Muting the Sound

— MUTE, MUTE LEVEL

You can mute the volume completely (to 0), or to a preset level. Muting is convenient when you answer the phone or when you need to talk to someone.

1. Press MUTE.

The volume is set to a preset level and "MUTE" appears on the screen.

- Pressing it again restores the volume.

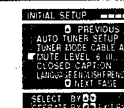
Notes:

- Muting can also be canceled by pressing VOLUME (+/-).
- If the volume is already lower than the preset mute level, pressing MUTE sets the sound to "0".

To set the mute level

— MUTE LEVEL

1. Press the MENU buttons to scroll to MUTE LEVEL.



2. Press ◀ or ▶ to set the mute level.

- This completes the procedure.
- To leave the menu, press EXIT.

Learning Your Favorite Channels

— YOUR FAVORITES

This TV automatically memorizes the channel being received. Use this function to list the three most frequently watched channels and then select one from this list.

- Condition:**
- The built-in clock must be set (refer to page 28).

- Press the MENU buttons to select YOUR FAVORITES.



- Press ▼ or ▲ to scroll to the channel you want, then press ◀ or ▶ to select it.

- The channel you selected appears and the display disappears.

- Notes:**
- Two sets of your favorite channels are stored for each time period: DAYTIME and EVENING.
DAYTIME : 4:00 am to 5:59 pm
EVENING : 6:00 pm to 3:59 am
 - If the clock is not working, this function is not activated.
 - If there is a power interruption, stored channels are erased.

Selecting a Channel by Category

— CATEGORY PREVIEW

There are six categories. You can set six channels for each category.

Setting Procedure

- If necessary, select the broadcast mode for the channels you will set (ANTENNA A or B and AIR or CABLE).

To select the broadcast mode:
Refer to page 11 "Watching a television program", steps 3 and 4.

- Press the MENU buttons to select SET CATEGORY PREVIEW.

The six categories are displayed.



- Press ▼ or ▲ to scroll to the category you want, then press ◀ or ▶ to select it.

The channel setting menu is displayed.



- Press the MENU buttons to make the settings.

- Press ▼ or ▲ to select the category position.
- Press ◀ or ▶ to select a channel for the position.
- Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

To continue setting other channels:

- To set in the same category, repeat 1 and 2 of step 4.
- To set in a different category, repeat steps 3 and 4.

Note:

- A channel which has been locked using CHANNEL GUARD cannot be set (refer to page 27).

If you select CANCEL:

All the channel settings for all the categories are canceled.

- Press ▼ or ▲ to move the cursor to FINISH, then press ◀ or ▶ to save your category selections.

- This completes the procedure.
The settings are stored and the display disappears.

To select a set channel

- Press CATEGORY PREVIEW.

The six categories are displayed.



- Press ▼ or ▲ to scroll to the category you want, then press ◀ or ▶ to select it.



A list of channels is displayed.

- Press ▼ or ▲ to scroll to the channel you want, then press ◀ or ▶ to select it.

- The channel you selected appears and the display disappears.

Note:

- Each set channel appears for a few seconds.

Checking and Setting Channel Status

—CHANNEL SUMMARY

View a summary of the channel settings and then change the scanned channels, station ID, and channel guarding.

To view the settings

1. Press the MENU buttons to select CHANNEL SUMMARY.

The CHANNEL SUMMARY menu is displayed and you can view the current settings. From this menu, you can make these settings.



SCAN:

Turn scanning on or off for the selected channel by pressing CHANNEL/HYPER SCAN (-/+). Channels that have stations are marked with ✓. Channels allocated stations during AUTO TUNER SETUP are also marked with ✓.

ID:

Set a station name of up to 4 characters. You can set station names for up to 50 channels.

GU:

Channels that you can not watch without inputting the LOCK CODE.

Note:

- To select a channel from the CHANNEL SUMMARY menu, use CHANNEL/HYPER SCAN (-/+). Each time you press the button lightly (1st stage), the next channel is selected. When you press the button strongly (2nd stage), the cursor moves to the next scannable channel.

To set other channels:

Use CHANNEL/HYPER SCAN (-/+) to move the cursor to the channel you want to set and repeat step 1.

Notes:

- The station ID is displayed when a channel is selected and when YOUR FAVORITES or CATEGORY PREVIEW is selected.
- Channels for which station IDs have been set are automatically scannable. When you delete a preset channel from scanning, its station ID is also cleared automatically.



To set station IDs

This procedure displays a four-character station name with the channel number.

Condition:

- You must display the CHANNEL SUMMARY menu to select the channel you want to set.

1. Press ▼ or ▲ to scroll to the ID row. Press ◀ or ▶ to enter the ID setting menu.

The station ID setting menu is displayed.

2. Press ◀ or ▶ to select the character, then press ▼ to enter it.

When you enter one character, the cursor moves to the next position. Repeat step 2 to enter four characters.

● This completes the procedure.

Select FINISH to return to the CHANNEL SUMMARY menu.

To leave the menu, press EXIT.

To set channel guarding (CHANNEL GUARD)

This locks channels so they cannot be watched without inputting the lock code.

Condition:

- You must display the CHANNEL SUMMARY menu to select the channel you want to lock.

1. Press ▼ or ▲ to move the cursor to the GU row, then press 0.

Guarded channels are marked with GU.

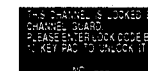
● This completes the procedure.

To leave the menu, press EXIT.

To view guarded channels

1. Press the number buttons to select the guarded channel.

The display appears requesting your LOCK CODE.



2. Press the number buttons to input the lock code.

- The display disappears and the channel you selected appears.

To set the LOCK CODE

— SET LOCK CODE

This procedure sets the lock code, which is used for the CHILD TIMER and for guarded channels.

1. Press the MENU buttons to select SET LOCK CODE.

The lock symbol appears.

2. Press 0 before the symbol disappears.

The SET LOCK CODE menu is displayed.

3. Press ◀ or ▶ to select the number, then press ▼.

Repeat step 3 to set a 3-digit LOCK CODE.

4. Press ▼ to move the cursor to FINISH, then press ◀ or ▶ to select it.

- This completes the procedure. To leave the menu, press EXIT.

To set other channels:

Use CHANNEL/HYPER SCAN (-/+) to move the cursor to the channel you want to set and repeat Steps 1 and 2.

Notes:

- The LOCK CODE is the same as that of the CHILD TIMER. The LOCK CODE is "000" when the TV is shipped from factory and after a power interruption.
- A guarded channel cannot be assigned to CATEGORY PREVIEW, DUAL ON TIMER, or HOME SITTER.

To lock other channels:

Press CHANNEL/HYPER SCAN (-/+) to move the cursor to the channel you want to set, and repeat step 1.

Note:

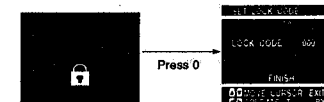
- Guarded channels cannot be selected using CHANNEL/HYPER SCAN (-/+).

If the wrong LOCK CODE is entered:

"INVALID LOCK CODE" is displayed and the channel remains unchanged.

If you forget the LOCK CODE:

Set another lock code.



Setting the Clock

— SET CLOCK

The TV has a built-in clock which displays the current time on the screen. The timer functions do not work if this clock stops.

1. Press the MENU buttons to select SET CLOCK.

The SET CLOCK menu is displayed.



2. Press ▼ or ▲ to scroll, then press ◀ or ▶ to set the current time and date.

3. Press ▼ to scroll to START CLOCK, then press ◀ or ▶ to start the clock.

"THANK YOU" is displayed and the display disappears.

Notes:

- If there is a power interruption, the clock will stop. However, if the power interruption lasts only a few minutes, the clock will be slow by the number of minutes the power was cut off. In this case, set the clock again.
- The clock is in 12-hour time.

If a timer function is selected without setting the clock:

"POWER INTERRUPTED WOULD YOU SET CLOCK FIRST?" appears on the screen.

If you select YES, the SET CLOCK menu is displayed. Set the clock. Once the clock is set, the display returns to timer setting mode and you can set the timer.

If you select NO, timer setting mode ends and a message appears telling you that the timer cannot be set.

Sleep Timer Operation

— SLEEP TIMER

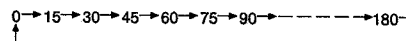
The TV will turn off even if you fall asleep while watching it.

Condition:

- The built-in clock must be set (refer to page 28).

1. Press SLEEP TIMER to set the duration.

Each time you press SLEEP TIMER, the duration increases 15 minutes.



Notes:

- After the SLEEP TIMER turns off the TV, its setting is canceled.
- If the TV is turned off or if there is a power interruption, the SLEEP TIMER is canceled.
- The SLEEP TIMER can be set up to 180 minutes from the current time.
- If the clock is not working, the SLEEP TIMER cannot be set.
- 20 seconds prior to turning off the TV, "GOOD NIGHT!! PUSH SLEEP TIMER BUTTON TO EXTEND" is displayed on the screen. If you press SLEEP TIMER while this message is on the screen, the duration is extended 15 minutes.

Guarding the channel

— TIME GUARD

If the clock is set, you can lock channels so that viewers must enter a LOCK CODE to view them.

Condition:

- The built-in clock must be set.

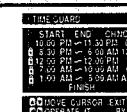
1. Press the MENU buttons to select TIME GUARD.

The lock symbol is displayed.



2. Press 0 before the symbol disappears.

The TIME GUARD list is displayed.



3. Press ▼ or ▲ to scroll to a position, then press ◀ or ▶ to select it.

The TIME GUARD set menu is displayed.



4. Press the MENU buttons to make each setting.

Press HELP for an explanation of how to make settings. The TIME GUARD list screen returns.

5. Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

- This completes the procedure.
- To leave the menu, press EXIT.

To view guarded channels

1. Press the number buttons to select the channel.

The display requests your LOCK CODE.

2. Press the number buttons to input the LOCK CODE.

- The display disappears and the channel you selected appears.

Notes:

- The clock must be working to set TIME GUARD.
- Guarded channels cannot be selected with CHANNEL/HYPER SCAN (-/+)

Notes:

- The LOCK CODE is the same as that of channel guard. The LOCK CODE is "000" when shipped from the factory, and after a power interruption.
- Guarded channels cannot be selected with CHANNEL/HYPER SCAN (-/+)

If the wrong LOCK CODE is entered: "INVALID LOCK CODE" is displayed and the channel remains unchanged.

If you forget the LOCK CODE: Set another LOCK CODE (refer to page 27).

Turning the TV ON/OFF at a set time, every day

— HOME SITTER

The TV turns on to a set channel at a set time, and turns off at a set time.

Condition:

- The built-in clock must be set (refer to page 28).

- If necessary, select the broadcast mode (ANTENNA A or B, and AIR or CABLE).

- Press the MENU buttons to select HOME SITTER.

The HOME SITTER menu is displayed.



- Press the MENU buttons to make each setting.

- Press ◀ or ▶ to set the times for the TV to turn on and off.
- Press ▼ to scroll, then press ◀ or ▶ to set the channel.
- Press ▼ to scroll, then press ◀ or ▶ to select YES.

Note:

- The HOME SITTER cannot be set for channels locked by CHANNEL GUARD (refer to page 27).

- Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

The settings are stored and the menu screen returns.

- This completes the procedure. To leave the menu, press EXIT. The ON TIMER lamp lights up.

Timer for desired programs

— DUAL ON TIMER

The TV turns on at a set time, at a set channel. Up to two programs can be set.

Condition:

- The built-in clock must be set (refer to page 28).

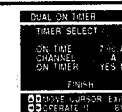
- If necessary, select the broadcast mode (ANTENNA A or B, and AIR or CABLE).

Notes:

- After the DUAL ON TIMER turns on the TV, its setting is canceled.
- If there is a power interruption, the DUAL ON TIMER is canceled.
- If no operation is done within two hours after the DUAL ON TIMER turns on the TV, the TV will turn off automatically.
- If the clock is not working, the DUAL ON TIMER cannot be set.

- Press the MENU buttons to select DUAL ON TIMER.

The DUAL ON TIMER menu is displayed.



- Press the MENU buttons to make each setting.

- Press ◀ or ▶ select Timer 1 or 2.
- Press ▼ to scroll, then press ◀ or ▶ to select the time for the television to turn on.
- Press ▼ to scroll, then press ◀ or ▶ to select the channel.
- Press ▼ to scroll, then press ◀ or ▶ to select YES.

- Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

The settings are stored and the menu screen returns.

- This completes the procedure. To leave the menu, press EXIT. The ON TIMER lamp lights up.

Note:

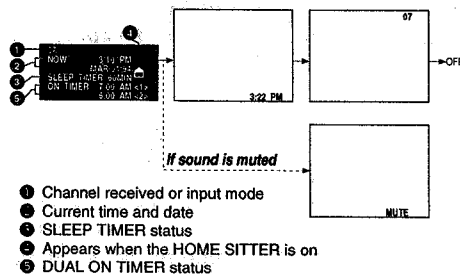
- The DUAL ON TIMER cannot be set for channels locked by CHANNEL GUARD.

Displaying TV status

— DISPLAY

Displays the timer settings, current time, and channel number.

1. Press DISPLAY repeatedly.



Notes:

- If the clock is not working, "CLOCK NOT SET" is displayed instead of the current time.
- Dates of SPECIAL DAYS are shown on the second page.

Turning empty channels blue

— NOISE MUTE

Change picture noise that appears on empty channels into a quiet solid blue screen.

1. Press the MENU buttons to select NOISE MUTE.



2. Press ◀ or ▶ to select ON or OFF.

- This completes the procedure. To leave the menu, press EXIT.

DISPLAY
NOISE MUTE
RETURN⁺

Returning to a Specific Channel

— RETURN⁺

This function allows you to return to a previously selected channel (see below). If the channel you are watching is the selected channel, use this function to return to it after checking other channels (this is especially useful during commercials).

1. Press RETURN⁺ button.

The TV returns to the RETURN CHANNEL.

To select a RETURN CHANNEL.

1. Select a channel.

2. Press and hold RETURN⁺ for more than three seconds.

"RETURN CHANNEL PROGRAMMING" is displayed.

To cancel a RETURN CHANNEL

1. Press and hold RETURN⁺ for more than three seconds.

"RETURN CHANNEL CANCELED" is displayed.

Note:

- When you turn off the power, or select another channel with the number keys, any selected RETURN CHANNEL is canceled.

To return to the previous channel

If no RETURN CHANNEL is selected, pressing RETURN⁺ returns to the last channel viewed.

1. Press RETURN⁺.

The last and current channels alternate.

Viewing Closed Captions

— CLOSED CAPTION

Use this function to watch closed captions of a TV broadcast, a video cassette, or a video disc.

Condition:

- Tune the TV to a program or video source which contains closed captions.

1. Press CLOSED CAPTION repeatedly.

→CLOSED CAPTION→TEXT→OFF

To set CAPTION mode and TEXT mode

1. Press the MENU buttons to select CLOSED CAPTION.

The CLOSED CAPTION menu is displayed.



2. Press the MENU buttons to make each setting.

1. Press ◀ or ▶ to set CAPTION mode.
 2. Press ▼ to scroll, then press ◀ or ▶ to select TEXT.
 3. Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.
- The settings are stored and the menu screen returns.

- This completes the procedure.
- To leave the menu, press EXIT.

To select the closed captions' BACKGROUND

1. Press the MENU buttons to select CLOSED CAPTION.

The CLOSED CAPTION menu is displayed.



2. Press the MENU buttons to make each setting.

1. Press ▼ to scroll to BACKGROUND, then press ◀ or ▶ to select BLACK or CLEAR.
 2. Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.
- The settings are stored and the menu screen returns.

- This completes the procedure.
- To leave the menu, press EXIT.

Messages for Special Days

— SPECIAL DAY

Displays a reminder on a special day (such as a birthday or anniversary).

Condition:

- The built-in clock must be set (refer to page 28).

1. Press the MENU buttons to select SPECIAL DAY.

The SPECIAL DAY list is displayed.



2. Press ▼ or ▲ to scroll to an item, then press ◀ or ▶ to select it.

The SPECIAL DAY setting screen is displayed.



3. Press ▼ or ▲ to scroll to an item (ANNIVERSARY, HOLIDAY, BIRTHDAY, CHOICE), then press ◀ or ▶ to select it.

If you select CHOICE:
You can make your own message. Scroll using ▼ or ▲ and press ◀ or ▶ to select a character. Your message can be up to 11 characters long.

4. Press the MENU buttons to make each setting.

1. Press ◀ or ▶ to select a character, then press ▼ to enter it.
When you enter a character, the cursor moves to the next one. Repeat until you have a five-character name.
2. Press ◀ or ▶ to set the month and day.
3. Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.
The settings are stored and the SPECIAL DAY list returns.

5. Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

- This completes the procedure.
- To leave the menu, press EXIT.

Changing the Side Panel Brightness

— SIDE PANEL

In REGULAR mode, the brightness of the dark panels on the sides can be changed.

Condition:

- Set the Aspect Ratio to REGULAR (refer to page 12).

- Press the MENU buttons to scroll to SIDE PANEL.



- Press ◀ or ▶ to select DARK or BRIGHT.

- This completes the procedure.
To leave the menu, press EXIT.

Convergence Adjustment

— CONVERGENCE

Use this feature to adjust the color if it is irregular near the edges.

- Press the MENU buttons to scroll to CONVERGENCE, then press ◀ or ▶ to select it.



- Press ▼ or ▲ to scroll to RED or BLUE, then press ◀ or ▶ to select it.



- Press the MENU buttons to adjust the convergence.

- This completes the procedure.
To leave the menu, press EXIT.

Changing the Menu to French

— LANGUAGE

Most of the functions of this TV are selected while watching the menus.
You can change the language of the menus into French.

- Press the MENU buttons to scroll to LANGUAGE.



- Press ◀ or ▶ to select the language.

- This completes the procedure.
To leave the menu, press EXIT.

CONNECTION

Connecting External Equipment

— CONNECTION DIAGRAM

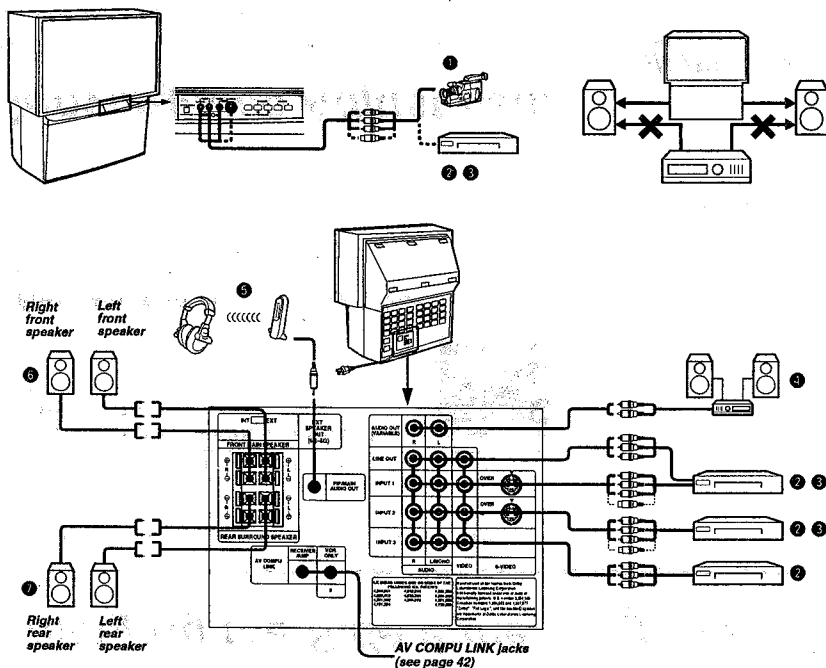
Conditions:

- Before connecting equipment, disconnect the TV's power cord from the AC outlet.
- To view a video played back by a connected device such as a VCR, press TV/VIDEO (see step 2 on page 11).

- Video Camera
- VCR
- S-VHS VCR or camera
- Audio component
- Cordless headphones
- External speakers
- Surround speakers

Notes:

- See the "Notes" on page 7 and the operating instructions of the external equipment.
- Interference from external equipment may cause picture quality to deteriorate. If picture noise occurs, turn OFF equipment that you are not using or move connected devices further apart.
- Connect the video signal of an S-VHS VCR to the S-VIDEO jack.
- Do not connect any equipment to the TV's speakers. Doing so may damage the TV or the external equipment.



CONNECTION

CONNECTION DIAGRAM
OUTPUT SPEAKERS
CORDLESS JACK

Using External Speakers

— OUTPUT SPEAKERS

When external speakers are connected to the FRONT MAIN SPEAKER jacks, the Speaker switch must be set to the correct position.

1. Set the Speaker switch to the EXT position.

INT EXT

Note:

- Sounds are output from both the TV's center speaker and surround speakers (connected to the REAR SURROUND SPEAKER jacks) regardless of the Speaker switch setting.

Using Cordless Headphones or Speakers

— CORDLESS JACK

The sound can also be output through the PIP / MAIN AUDIO OUT jack. Set as desired.

1. Press SOUND MODE.

The Sound Mode menu appears.



2. Press ▼ or ▲ to scroll to CORDLESS JACK, then press ◀ or ▶ to select it.



3. Press ▼ or ▲ to scroll to the output sound (MAIN, SOUND, AUTO PIP, SURROUND), then press ◀ or ▶ to select it.

- This completes the procedure. To leave the menu, press EXIT.

MAIN SOUND:

For listening to as the main speaker sound.

MAIN / PIP SOUND:

For listening to the sound of the small picture (you hear the main sound when there is no small picture).

SURROUND SOUND:

For listening to surround sound. To use a cordless surround speaker, select surround sound. Before switching back to MAIN or MAIN / PIP SOUND, decrease the cordless speaker's volume.

Using the TV's remote control to operate a CATV converter and VCR — TV/CATV SELECTOR

The remote control can be used to operate a CATV converter and VCR.

Condition:

- Enter the VCR and CATV converter manufacturer's codes into the remote control.

1. Set the TV/CATV selector to CATV.

CATV converter-controllable buttons:

POWER, CHANNEL/HYPER SCAN (—/+), number buttons, 100+, RETURN+ (depending on the type of CATV encoder, the 100+ and RETURN+ buttons may work as the ENTER button).

VCR-controllable buttons:

REW, PLAY, FF, REC, STOP, PAUSE, VCR POWER, VCR CHANNEL

Setting the manufacturer's code

1. Press POWER (or VCR POWER) and the RETURN+ at the same time.

- This completes the procedure.

Test the remote control.

Manufacturer's code table (CATV converter)

Manufacturer	Manufacturer's Code	Manufacturer	Manufacturer's Code	Manufacturer	Manufacturer's Code
ABC	007 011 013 017	MOVIE TIME	156	SPRUCER	021 307
ANTRONIX	207	NSC	063 070 156	STANDARD COMPONENTS	096 155
ARCHER	153 207	OAK	007 019 248	STARCOM	003 015 047
CABLE STAR	056	PANASONIC	021 107	STARGATE	015 040
CENTURY	153	PARAGON	000	SYLVANIA	001
CITIZEN	153	PHILIPS	025 027 029 030 031 060 290	TANDY	258
COLOUR VOICE	025 031	PHILIPS ECG	242	TEXSCAN	001 096
COMTRONICS	040 060	PIONEER	023 144	TOCOM	012 013 059
EASTERN	002	PULSAR	000	TOSHIBA	000
GARRARD	153	RCA	021	TV86	063
GC ELECTRONICS	056	REALISTIC	207	UNICA	153 207
GEMINI	015 070 242	REGAL	020 259 273 279	UNITED ARTISTS	007
GENERAL INSTRUMENT	011 276	REGENCY	002	UNITED CABLE	003
HAMLIN	009 020 034 259 273	REMBRANDT	070	UNIVERSAL	056 153 207
HITACHI	011	RUNCO	000	VIDEOWAY	250
JASCO	153	SAMSUNG	040 144	VIEWSTAR	027 060 063 111 211 258 289
JERROLD	003 011 012 014 015 026 047	SCIENTIFIC ATLANTA	006 008 017 277	ZENITH	000 054
MACOM	033	SIGNAL	015 040	JERROLD	459
MAGNAVOX	027 032	SIGNATURE	011	SCIENTIFIC ATLANTA	460
MEMOREX	000	SL MARX	040	STARCOM	459

Note:

- When shipped, the remote control is set to operate a JVC VCR and manufacturer's code "000" CATV converter.

To replace the batteries:

The set manufacturer's code will be in memory only for a specific time. When you replace the batteries, do so within one minute (refer to page 9).

Note:

- The VCR can be operated regardless of the TV/CATV setting.
- Depending on the VCR or CATV converter, a few buttons may not work.

To set the CATV converter:

In step 1, press POWER and RETURN+ at the same time.

To set the VCR:

In step 1, press VCR POWER and RETURN+ at the same time.

Note:

- In the manufacturer's code table, if a manufacturer has several codes, try each one until you find the one that works.

Manufacturer's code table (VCR)

Manufacturer	Manufacturer's Code	Manufacturer	Manufacturer's Code	Manufacturer	Manufacturer's Code
AIKO	278	LXI	037	RCA UNIFIED	060
AIWA	000	MAGNAVOX	035 081 103 110 149	REALISTIC	000 035 037 046 047 048 062 066 104 240
AKAI	041 049 053 061 106 242	MARANTZ	035 038 081	RICOH	034
AUDIOVOX	037	WARTA	037	RUNCO	039
BELL&HOWELL	104	MEI	035	SAMSUNG	045 053 240
BROKSONIC	121 184 211 361	MEMOREX	000 035 037 039 046 047 048 104	SANSUI	041 067 082 271
CANON	035 167	MGA	043 061	SANYO	046 047 104
CAPEHART	020	MINOLTA	042 105	SCOTT	121 184 210 212
CARVER	081	MITSUBISHI	061 075 173 214 242	SEARS	035 037 042 046 047 054 057 066 104 105
CCE	278	MITSUBISHI UNIFIED	043	SHARP	048 062
CRAIG	047 240 271	MTS	000 240	SHINTOM	072
CURTIS MATHES	035	MULTITECH	000 072	SONY	011 032 033 034 035
DAEWOO	020 045 087 278	NAD	058	STS	042
DAYTRON	020	NEC	038 040 041 067 082	SYLVANIA	035 043 081 103 110
DYNATECH	000	NIKKO	037	SYMPHONIC	000
EMERSON	000 002 037 061 121 184 208 209 211 212 294 295 361	OPTONICA	048 062	TANDY	000
FISHER	047 054 066 104	PANASONIC	035 225	TATUNG	041
FUNAI	000	PENNEY	035 037 038 040 042 240	TEAC	000 041
GE	035 060 065	PENTAX	042 065 105	TECHNICS	035
GO VIDEO	232 279	PHILCO	035	TEKNIKA	000 035 037
GOLDSTAR	018 037 038	PHILIPS	035 062 081 110	TOTEVISION	037 240
HARMAN/KARDON	038 075	PILOT	037	TOSHIBA	043 045 057 066 210 212
HITACHI	000 041 042 065 105 166	PIONEER	168	UNITECH	240
JCL	035	PIONEER UNIFIED	058 067	VECTOR RESEARCH	038 040
JENSEN	041	PORTLAND	020	VIDEO CONCEPTS	040 061
JVC	041 067 068	PULSAR	039	VIDEOSONIC	240
KENWOOD	041 046 067	QUARTZ	046	YAMAHA	038 041
LLOID	000	QUASAR	035 096	ZENITH	033 034 039
LOGIK	072	RCA	035 042 065 105 149 202	WARDS	000 035 042 047 048 062 072 149 212 240

* Some models cannot be set.

If you do not know the manufacturer's code

Some models may be set by following the procedure shown below even if they are not shown in the manufacturer's code table.

1. Press POWER (or VCR POWER) and RETURN+ at the same time.

To set the CATV converter:
Press POWER and RETURN+ at the same time.

2. Press POWER (or VCR POWER). Repeat step 2 until the CATV converter (or VCR) power comes on.

To set the VCR:
Press VCR POWER and RETURN+ at the same time.

3. Press RETURN+.

- This completes the procedure.
Test the remote control.

AV COMPU LINK connection

— AV COMPU LINK

This TV set is capable of using an AV COMPU LINK. If the TV set is connected to a JVC AV Compu Link-capable VCR and/or hi-fi receiver (or amplifier), automatic switching functions are available.

If the TV set is connected to a JVC AV Compu Link-capable VCR, simply insert a video cassette (with its safety tabs removed) into the VCR. The TV set turns on automatically and the video playback is displayed on the screen.

If the TV set is connected via a JVC AV Compu Link-capable hi-fi receiver (or amplifier) to a JVC AV Compu Link-capable VCR, you can do the following:

- Insert a video cassette (with its safety tabs removed) into the VCR. Both the TV set and receiver (or amplifier) turn on automatically and the video is displayed on the screen.
- Change the input source of the receiver (or amplifier) to video input mode. The TV set's input source selector automatically switches to video input mode [VIDEO-1 or VIDEO-2].
- Turn the receiver (or amplifier) on (or off). Both the TV set and VCR are automatically turned on (or off). For example, if the input source selector of the receiver (or amplifier) is set to "VCR1" and the receiver (or amplifier) is turned on, the TV set and VCR connected to VCR1 are also turned on.

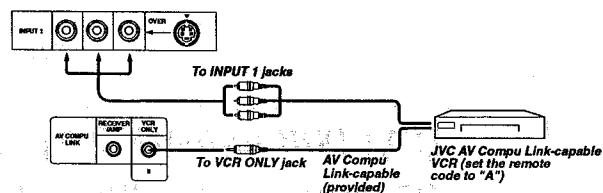
In addition to connecting video and audio signal cables, connect the AV Compu Link cable to the AV COMPU LINK jacks (VCR ONLY or RECEIVER/AMP jacks) to transmit control signals via the AV Compu Link cable.

Notes:

- If the TV set is connected to a VCR, connect the provided AV Compu Link cable to the VCR ONLY jack of the TV set. If the VCR is connected to the RECEIVER/AMP jack, this function is not operable.
- If the TV set is connected to the monitor output of an AV Compu Link-capable receiver (or amplifier), and the VCR is connected to the receiver (or amplifier), connect the AV Compu Link cable to the RECEIVER/AMP jack. If the receiver (or amplifier) is connected to the VCR ONLY jack, this function cannot be operated.
- When a VCR or receiver (or amplifier) is connected to the AV COMPU LINK jacks, set the remote code of the VCR's remote control unit as follows:
 - If a VCR is connected to the TV set's INPUT 1 jacks, set the VCR's remote code to "A".
- Also refer to the instruction manuals of the VCR and/or receiver (or amplifier).

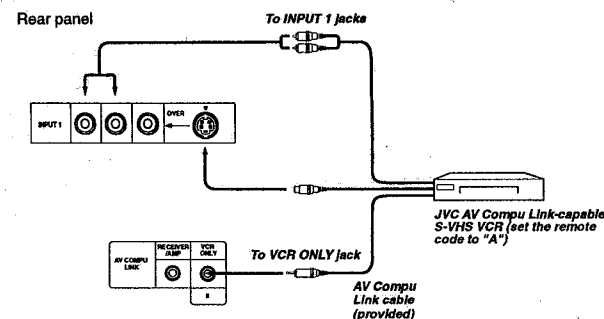
Connecting an AV COMPU LINK-capable VCR

Rear panel

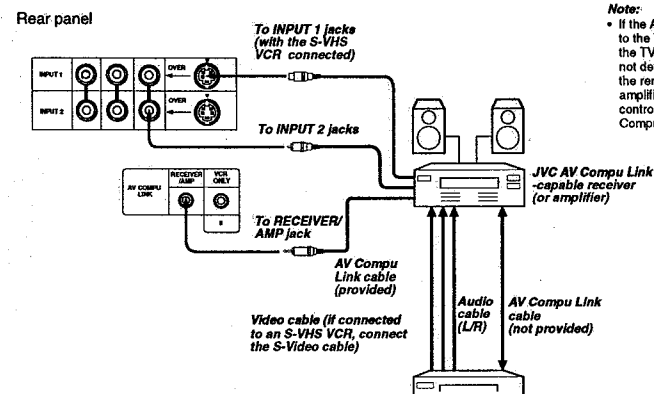


VCR Remote control code A switches the TV to VIDEO INPUT 1.
VCR Remote control code B switches the TV to VIDEO INPUT 2.

Connecting an AV COMPU LINK-Capable S-VHS VCR



Connecting an AV COMPU LINK-Capable Receiver (or Amplifier)



Note:

- If the AV Compu Link cable is connected to the TV set's RECEIVER/AMP jack, the TV set's remote control sensor does not detect remote control signals. Aim the remote control at the receiver (or amplifier). Signals from the remote control are transmitted via the AV Compu Link cable to the TV set.

Troubleshooting

- If the power cord plug is disconnected from the AC outlet, or the TV antenna is causing problems, you may think there is a problem with the TV itself; be sure to check the following items before calling for service.

Important:

- Review all the instructions in this manual.

■ GENERAL

Problem	Cause	Action
No power supply	Is the power plug disconnected?	Insert the plug into the AC outlet (refer to page 8).
No picture or sound	Is the antenna disconnected?	Check the antenna connections (refer to page 8).
	Is the antenna facing in the correct direction?	Aim the antenna in the correct direction.
	Is the input mode (TV, VIDEO-1, 2, 3) set to an incorrect position?	Press TV/VIDEO to set the correct mode (refer to page 11).
	Is the broadcast mode set properly?	Set the correct tuner mode with the MENU buttons (refer to page 11).
	Is the TIME GUARD operating?	Enter the LOCK CODE (refer to page 31).
Inoperable remote control	Is the TV station the problem?	Watch another channel. If there are no problems with that channel, the TV station is the problem.
	Are batteries exhausted?	Replace the batteries (refer to page 9).
	Is the batteries' +/- polarity correct?	Insert the batteries correctly (refer to page 9).
	Is the remote control too far from the TV?	Operate the remote control within approx. 23 ft (7 meters) of the TV.
	Are there any obstructions between the remote control and TV?	Remove any obstructions between the remote control and TV.
The channel cannot be selected	Is the TV/CATV selector set properly?	When operating the TV, set the TV/CATV selector to TV.
	The TV is not receiving remote control commands.	Press POWER on the TV to turn it off, then turn it on again.
	Have the channels been set?	Preset the channels (refer to page 10).
The power shuts off automatically	Is the selected channel guarded?	Press the remote control number buttons to select the channel, then enter the LOCK CODE (refer to page 27).
	Is the TV/CATV selector set properly?	When operating the TV, set the TV/CATV selector to TV.
The power shuts off automatically	Is the SLEEP TIMER set?	Press POWER to turn on the TV again (refer to page 28).
The TV clock is incorrect or the clock has stopped	Was there a power interruption?	Set the clock correctly (refer to page 28).
The timer does not work	Was there a power interruption?	If there is a power interruption, the timer is canceled. Set it again. Also check that the clock is correct (refer to pages 28 to 31).

■ PICTURE

Problem	Cause	Action
Poor colors	Are the COLOR and TINT controls adjusted incorrectly?	Adjust the COLOR and TINT controls (refer to page 18).
	Is THEATER STATUS mode set?	Cancel THEATER STATUS mode (refer to page 18).
	Is it a black and white program?	Change the channel and watch a color program.
Lines or streaks in the picture (interference)	Could there be interference, perhaps from a personal computer, TV, VCR, audio component or radio station?	Move the components apart until the interference is eliminated. Reposition the antenna.
Spotted picture (crosstalk)	Could there be interference, perhaps from a hair dryer, electric cleaner, neon sign, high tension wire, automobile, or motorcycle?	Move the antenna away from the source of interference. Replace the antenna cable with a coaxial cable, which is less prone to interference.
Double pictures (ghost)	Could TV signals be affected by signals reflected, perhaps from mountains or buildings?	Reposition the antenna. Replace with an antenna with better directionality.
Snowy picture (image noise)	Is the external antenna cut or disconnected?	Check the antenna connection (refer to page 8). Position the antenna correctly.
	Has the antenna been turned, perhaps due to a strong wind?	Replace or repair the antenna.
	Is the antenna damaged?	Replace or repair the antenna.
The screen turns blue	Is an empty channel selected?	Select another channel.
	Is NOISE MUTE on?	Turn off NOISE MUTE (refer to page 32).
When a video tape is played, a blue background appears first	Is NOISE MUTE on?	Turn off NOISE MUTE (refer to page 32).
The VCR picture does not appear on the screen	Is the VCR or playback device connected to the TV?	Connect the VCR or playback device to the TV and start playback (refer to page 38).
A black square is covering 80% of the TV screen	Is the Closed Caption Text mode on?	Press CLOSED CAPTION to turn off Text mode (refer to page 34).

■ SOUND

Problem	Cause	Action
Bilingual/stereo broadcasts cannot be heard	Is the MTS mode set correctly?	Set it to STEREO or SAP mode (refer to page 19).

The following are normal occurrences and are not the result of TV malfunctions:

- When you touch the CRT (Cathode Ray Tube: picture tube) surface, you might feel a slight charge of static electricity. This is because the CRT contains static electricity; it does not affect the human body.
- Your TV may emit a crackling sound due to a sudden change in temperature. There is no problem unless the picture or sound is abnormal.
- When a still bright image (of a white dress, for example) appears on the screen, the image may be colored. This problem occurs in all CRTs, and when the bright image disappears, the coloration also disappears.

TROUBLESHOOTING

Specifications

Type	: WIDE SCREEN PROJECTION TELEVISION
Reception Standard	: NTSC, BTSC (multi-channel sound)
Received channels	: VHF 2 to 13, UHF 14 to 69; Sub Mid, Mid, Super, Hyper and Ultra bands (180-channel frequency synthesizer system)
Power source	: 120 V AC, 60 Hz
Power consumption	: Max. 280 W, Avg. 235 W, 3.5 A
Projection tube	: Three 6.7 inch tubes
Screen	: Transparent screen
Screen size	: 55 inch, aspect ratio of 16:9, 48" (W) x 27" (H) = 55" (diagonal)
Audio output	: Front: 10 W + 10 W + 10 W Rear: 10 W + 10 W (with 8 ohm connected)
Speakers	: Round 6.3" speaker x 2, round 4.7" speaker x 1
Antenna terminal	: 75 ohm (VHF/UHF) terminal (F-type connector) x 2 SPLIT OUT terminal x 1
External input (INPUT 1, 2, 3) jacks	: S-VIDEO (except INPUT 3): Y/1Vp-p Positive, 75 ohms (negative sync provided) C/0.286 Vp-p (burst signal), 75 ohms Video: 1 Vp-p, 75 ohms Audio: 500 mV rms (-4 dBs), high impedance
Variable audio output terminal	: More than 0 to 1550 mVrms (+6 dBs), low impedance (400 Hz when modulated 100 %)
Line output terminals	: Video: 1 Vp-p, 75 ohms Audio: 500 mV rms (-4 dBs), low impedance (400 Hz when modulated 100 %)
AV COMPU LINK jacks	: 3.5 mm dia. mini jack x 2
PIP/MAIN/SURROUND	
AUDIO OUT jack	: 3.5 mm dia. stereo mini jack
Speaker output jacks (Front/Rear)	: Impedance 6 to 8 ohms
External dimensions (W x H x D)	: 50" x 62-3/4" x 27-5/8", 126.8 x 133.2 x 70.0 cm
Weight	: 240 lbs, 109 kg
Accessories	: Remote control unit (RM-C727) x 1 AAA/R03 battery x 2

Design and specifications subject to change without notice.

TROUBLESHOOTING

SPECIFICATIONS

FOR CANADA, SEE SEPARATE SHEETS FOR WARRANTY/GARANTIE AND JVC AUTHORIZED SERVICE CENTERS IN CANADA.

HOW TO LOCATE YOUR JVC SERVICE CENTER

TOLL FREE: 1-800-537-5722

Dear customer:

In order to receive the most satisfaction from your purchase, read the instruction booklet before operating the unit. In the event that repair is necessary, or for the address nearest your location, please refer to the factory service center list below or within the Continental United States, call 1-800-537-5722 for your authorized servicer. Remember to retain your Bill of Sale for Warranty Service.

-JVC

JVC SERVICE & ENGINEERING

COMPANY OF AMERICA
DIVISION OF US JVC CORP.

FACTORY SERVICE CENTER LOCATIONS

107 Little Falls Road
Fairfield, NJ 07004-2105
(201) 808-9279

5665 Corporate Avenue
Cypress, CA 90630-0024
(714) 229-8011

230 Elliot Street
Ashland, MA 0172-2377
(508) 881-5923

1500 Lakes Parkway
Lawrenceville, GA 30243-5357
(404) 339-2522

10700 Hammerly Suite 110
Houston, TX 77043
(713) 935-9331

14505 Commerce Way
Miami Lakes, FL 33016-1512
(305) 362-6252

705 Enterprise Street
Aurora, IL 60504-8149
(708) 851-7855

2969 Mapunapuna Place
Honolulu, HI 96819-2040
(808) 833-5828

890 Dubuque Avenue
South San Francisco, CA
94080-1804
(415) 871-2666

Sophisticated electronic products may require occasional service. Just as quality is a keyword in the engineering and production of the wide array of JVC products, service is the key to maintaining the high level of performance for which JVC is world famous. The JVC service and engineering organization stands behind our products.

NATIONAL HEADQUARTERS
JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF US JVC CORP.
107 Little Falls Road
Fairfield, NJ 07004-2105

If you ship the product...

Pack your JVC unit in the original carton or one of equivalent size and strength. Enclose, with the unit, a letter stating the problem or symptom that exists and also a copy of the receipt or bill of sale you received when you purchased your JVC unit. Print your home return address on the outside and the inside of the carton. Send to the appropriate JVC Factory Service Center as listed above.

Don't service it yourself.

CAUTION

To prevent electrical shock, do not open the cabinet. No user serviceable parts inside. Refer servicing to qualified service personnel.

ACCESSORIES

To purchase accessories for your JVC product, you may contact your local JVC Dealer. Or from the 48 Continental United States call toll free: 800-882-2345.

FOR CANADA, SEE THE SEPARATE SHEETS FOR WARRANTY/GUARANTIE AND JVC AUTHORIZED SERVICE CENTERS IN CANADA.

LIMITED WARRANTY

JVC
WIDE SCREEN PROJECTION TV

COLOR TV 1-1-2

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period as shown below.

1. **Parts.** The lenticular (front) screen is warranted against defects in materials and workmanship for a period of 60 days. Picture tubes are covered for 2 years. All other parts are warranted for a period of 1 year.
2. **Labor.** For 60 days after the original purchase at retail, JVC will repair or replace, at our option, the lenticular (front) screen if it proves defective. For all other parts JVC will provide the labor for a warranty repair for 1 year.

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:

If this product is found to be defective, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis except for Television sets having a screen size 25 inches and above which are covered on an in-home basis.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Return your products to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll free: (800) 537-5722.

If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus a letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location of which will be given to you by the toll-free number.

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
2. Initial installation and installation and removal for repair;
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus (Needle) are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase).

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

BT-52001-1

JVC COMPANY OF AMERICA
DIVISION OF US JVC CORP.

41 Slater Drive
Elmwood Park, New Jersey 07407

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

JVC

JVC COMPANY OF AMERICA
DIVISION OF US JVC CORP.

41 Slater Drive, Elmwood Park, N.J. 07407

NV-55BH6-IBA-A ④1
0795-NK-AB

NV-55BH6

WIDE SCREEN PROJECTION TELEVISION

INSTRUCTIONS

Thank you for purchasing this JVC wide screen projection television.
To ensure your complete understanding, please read this manual thoroughly before operation.

- Safety Precautions on page 2 and 3

PREPARATION (page 8)

1. Connecting Antenna and Power cord
2. Inserting Batteries into your Remote Control
3. Turning the Power ON/OFF
4. Allocating Stations to Channels
5. Auto Demonstration Mode

BASIC OPERATING PROCEDURE (page 11)

Watching a Television Program
Changing the Picture's Aspect Ratio
Two-picture Screen
MENU selection

SOUND AND PICTURE (page 18)

HANDY CHANNEL SELECTION (page 22)

TIMER OPERATION (page 26)

OTHER FEATURES (page 30)

CONNECTION (page 35)

TROUBLESHOOTING (page 40)

For Customer Use:

Enter below the Model No. and Serial No. which are located on the rear of the cabinet. Retain this information for future reference.

Model No. NV-55BH6

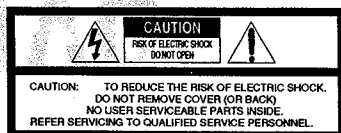
Serial No.

NV-55BH6 OPERATING INSTRUCTIONS

NV-55BH6

(No. 50988)

SAFETY PRECAUTIONS



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION:

To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

IMPORTANT SAFEGUARDS

CAUTION: Please read and retain for your safety.

This TV set has been engineered and manufactured to assure your personal safety. But *improper use can result in potential electrical shock or fire hazard*. In order not to defeat the safeguards incorporated in this TV set, observe the following basic rules for its installation, use and servicing, and follow all warnings and instructions marked on the set.

INSTALLATION

- 1 Your TV set is equipped with a polarized AC line plug (one blade of the plug is wider than the other).

(POLARIZED-TYPE)



This safety feature allows the plug to fit into the power outlet only one way. Should you be unable to insert the plug fully into the outlet, try reversing the plug.

Should it still fail to fit, contact your electrician.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

Caution:

Changes or modifications not approved by JVC could void the warranty.

CAUTION: TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

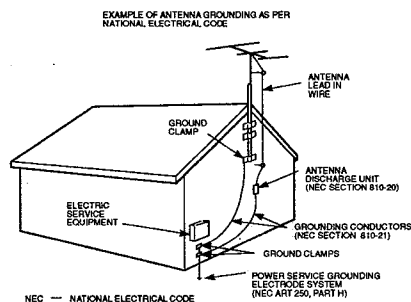
1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Caution:

When you don't use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.

- 6 If an outside antenna is connected to the TV set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit and connection requirements for the grounding electrode.

- 7 An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.



- 8 TV sets are provided with ventilation openings in the cabinet to allow heat generated during operation to be released. Therefore:
 - Never block the bottom ventilation slots of a TV set by placing it on a bed, sofa, rug, etc.
 - Never place a TV set in a "built-in" enclosure unless proper ventilation is provided.
 - Never cover the openings with a cloth or other material.
 - Never place the TV set near or over a radiator or heat register.

- 9 To avoid personal injury:
 - Do not place a TV set on a sloping shelf unless properly secured.
 - Use only a cart or stand recommended by the TV set manufacturer.
 - Do not try to roll a cart with small casters across thresholds or deep pile carpets.
 - Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.

USE

- 10 Caution children about dropping or pushing objects into the TV set through cabinet openings. Some internal parts carry hazardous voltages and contact can result in a fire or electrical shock.
- 11 Unplug the TV set from the wall outlet before cleaning. Use a slightly damp (not wet) cloth. Do not use liquid or an aerosol cleaner.
- 12 Never connect an accessory to your TV that has not been specifically designed for the purpose for which you intend to use it. Improper connections can cause fire hazards.
- 13 For added protection of the TV set during a lightning storm or when the TV set is to be left unattended for an extended period of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to product due to lightning storms or power line surges.
- 14 A TV set and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the TV set and cart combination to overturn.



SERVICE

- 15 Unplug this TV set from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the TV set.
 - C. If the TV set has been exposed to rain or water.
 - D. If the TV set does not operate normally by following the operating instructions. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV set to normal operation.
 - E. If the TV set has been dropped or damaged in any way.
 - F. When the TV set exhibits a distinct change in performance — this indicates a need for service.
- 16 Do not attempt to service this TV set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 17 When replacement parts are required, have the service technician verify in writing that the replacement parts he uses have the same safety characteristics as the original parts. Use of manufacturer's specified replacement parts can prevent fire, shock, or other hazards.
- 18 Upon completion of any service or repairs to this TV set, please ask the service technician to perform the safety check described in the manufacturer's service literature.
- 19 When a TV set reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask a qualified service technician to dispose of the TV set.
- 20 Note to CATV system installer.
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

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CONNECTION

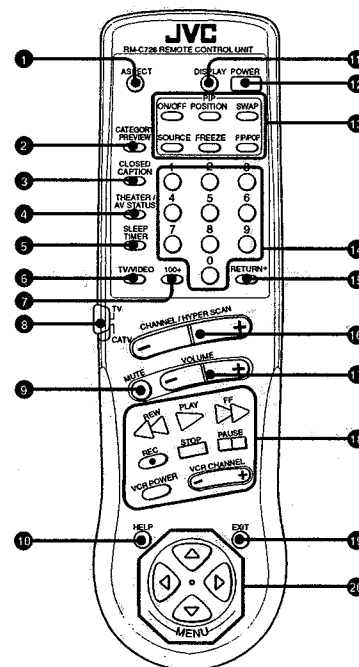
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Location of Remote Control Buttons



1. ASPECT button	p.12
2. CATEGORY PREVIEW button	p.23
3. CLOSED CAPTION button	p.32
4. THEATER/AV STATUS button	p.18, 20
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9. MUTE button	p.21
10. HELP button	p.16
11. DISPLAY button	p.30
12. POWER button	p.9
13. PIP buttons	p.14
14. Number buttons	p.11
15. RETURN+ button	p.31
16. CHANNEL/HYPER SCAN (-/+ button	p.11
17. VOLUME (-/+) button	p.11
18. VCR operation buttons	p.36
19. EXIT button	p.16
20. MENU (▼▲◀▶) buttons	p.16

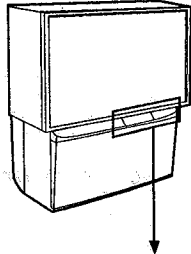
• For the locations of TV buttons and parts, please refer to page 6.

For Optimum Viewing

Sit directly in front of the TV to watch it.
The middle of the screen should be at your eye level. Partially darkening the room improves contrast and picture sharpness.

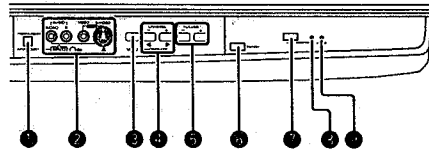
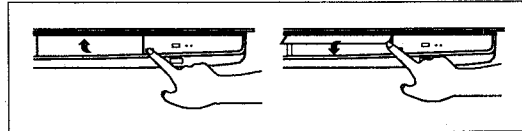
Location of TV buttons and parts

FRONT PANEL



CAUTION

Screen is very delicate. Please handle carefully.



① INPUT 3 SELECT switch	p.35
② INPUT 3 jacks	p.35
③ MENU (▼) button	p.6
④ OPERATE (◀▶) / CHANNEL (-/+) buttons	p.6
⑤ VOLUME (-/+) buttons	p.6
⑥ Door open button	p.6
⑦ POWER button	p.9
⑧ POWER lamp	p.9
⑨ ON TIMER lamp	p.28, 29

Using the TV Buttons on the console

POWER button: The power turns on or off each time the button is pressed.

VOLUME (-/+) buttons: Adjust the volume.

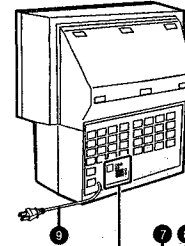
OPERATE (◀▶) / CHANNEL (-/+) buttons: Select the programmed channel. Change the setting of a function selected with the Menu ▼ button.

MENU ▼ button: Displays function lists. While the list is displayed, press the button repeatedly until you get the function you want to adjust.

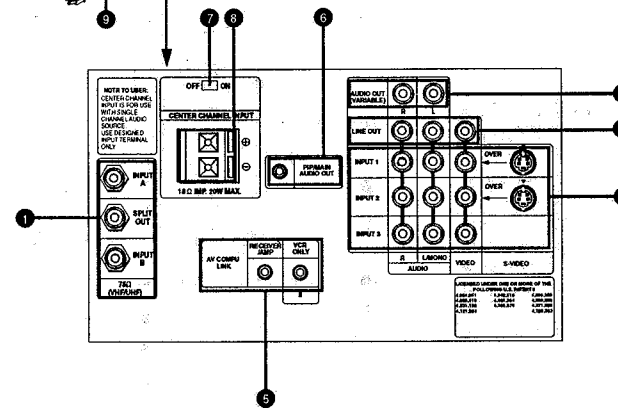
Notes:

- The front panel does not have a MENU ▲ button or EXIT button.
- To select menu functions, use the MENU ▼ button. To release MENU mode, use the VOLUME (-/+) buttons.
- You cannot set SET LOCK CODE, CHILD TIMER, or channel guard from the front panel.
- When you activate MENU mode from the front panel, the first page of the FRONT PANEL CONTROL menu is displayed. Other pages are the same as those displayed when operating the remote control (refer to page 16).

REAR PANEL



① Antenna INPUT A, INPUT B, SPLIT OUT	p.8
② AUDIO OUT (VARIABLE) jacks	p.35
③ LINE OUT jacks	p.7, 35
④ INPUT 1 to 3 jacks	p.35
⑤ AV COMPU LINK jacks	p.38
⑥ PIP/MAIN AUDIO OUT jack	p.35
⑦ Speaker switch	p.35
⑧ CENTER SPEAKER jacks	p.35
⑨ Power cord	p.8



Notes (also see "CONNECTION" on pages 35 to 39):

AUDIO OUT (VARIABLE) jacks:

Output the sound of the picture on the TV.

- The volume can be adjusted using the TV's VOLUME buttons.

LINE OUT jacks:

Output the sound and picture from the TV.

- Video and sound input to INPUT 1 are not output.
- Video that is input to the S-VIDEO jack is not output.
- When connecting any INPUT and LINE OUT jacks to the same VCR, use the INPUT 1 jack. If you use another INPUT jack, the picture will be distorted unless you play the VCR.

INPUT 1, 2, 3 jacks:

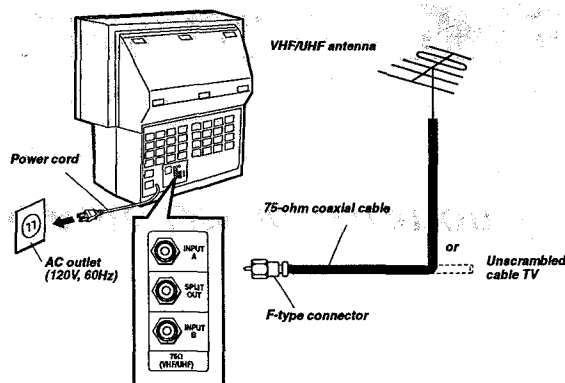
- Connect monaural audio to the L/MONO jack.
- When you are using a VIDEO jack, do not use its corresponding S-VIDEO jack.
- If a JVC video movie camera was used to record a video in squeeze mode, connect an S-VIDEO cable to play it back. The picture is shown in full mode automatically.

Antenna terminal text: See page 8.

Speaker terminal text: See page 35.

1. Connecting Antenna and Power cord

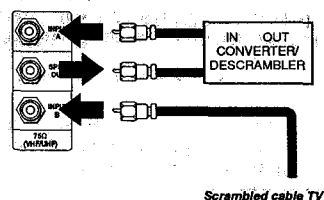
(Example)



- Notes:**
- The power cord has a polarized plug. Therefore, it will only insert one way into the wall outlet. DO NOT DEFEAT THE POLARIZED PLUG. If you have problems, consult your local dealer.
 - When the power cord is connected to an AC outlet, the POWER lamp turns red.
 - After connecting to antenna or cable TV, use AUTO TUNER SETUP to program available channels.

Converter or Descrambler Connections

(Example)



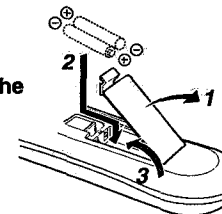
- Notes:**
- Some cable companies require a converter box to receive all available programs. Others may require it only for subscription or "premium" programming. Consult your local cable company for correct installation.
 - The signal input to the INPUT B antenna terminal will be output as is to the SPLIT OUT antenna terminal.
 - Use manual programming to set the channels for INPUT B.

2. Inserting Batteries Into Your Remote Control

1 Raise the latch and remove the cover.

2 Insert two batteries into the battery compartment.

3 Replace the cover.



Condition:

- Use two AAA/R03 batteries.

Caution:

- Follow the cautions printed on the batteries.

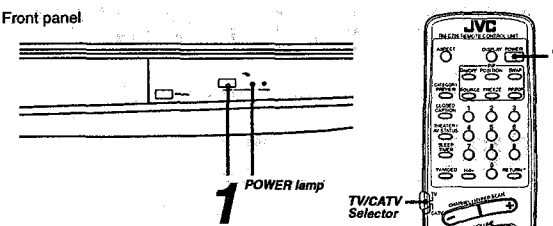
Notes:

- Battery life is approximately six months to one year depending on frequency of use.
- If the remote control operates erratically, replace the batteries.
- Insert batteries correctly, observing + and - polarities.

If a manufacturer's VCR or CATV converter code has been set:
The set manufacturer's code will be put in memory for a specific time. When you replace the batteries, do so within one minute. If the manufacturer's code is lost, set it again (refer to page 36).

3. Turning the Power ON/OFF

Front panel



1 Press POWER.



The POWER lamp lights up.

- To turn off the TV, press POWER again. The POWER lamp goes off.

Condition:

- When using the remote control, set the TV/CATV selector to TV.

PREPARATION

4. Allocating Stations to Channels

— AUTO TUNER SETUP

Allocate stations to channels using AUTO TUNER SETUP.

- 1 Press MENU ▼ or ▲ repeatedly to select AUTO TUNER SETUP, then press ◀ or ▶ to enter the setup menu.

The AUTO TUNER SETUP menu is displayed.



- 2 Press MENU ▼ or ▲ to move the cursor to AUTO (STD, HRC, IRC) or AUTO (OTHERS), then press ◀ or ▶ to select it.

Setup starts automatically.

- This completes the procedure. PROGRAMMING OVER is displayed when setup is complete.

AUTO (STD, HRC, IRC):
Almost all the cable companies use one of the following systems:

- Standard.
- Harmonically Related Carrier.
- Incrementally Related Carrier.

AUTO (OTHERS):
For those other than the above.

Notes:

- If you experience a problem, call your cable company. If they use a different system (not STD, HRC, IRC), repeat step 1 and in step 2 select AUTO (OTHERS).
- For details on menu functions, refer to page 16.
- Press CHANNEL/HYPER SCAN (↔) to see which channels were set.
- To add a channel to or delete a channel from the AUTO TUNER SETUP, refer to "To set a channel to be scanned" on page 24.

5. Auto Demonstration Mode

— AUTO DEMO

You can view a demonstration of many of this TV's functions. Using auto demonstration mode before operating the TV will make it easier to understand.

- 1 Press MENU ▼ or ▲ repeatedly to select AUTO DEMO, then press ◀ or ▶.

The demonstration starts.

- To stop the demonstration, press any button.



Note:

- This demonstration mode repeats about every six minutes.

BASIC OPERATING PROCEDURE

AUTO TUNER SETUP
AUTO DEMO
TV/VIDEO, TUNER MODE

Watching a Television Program

—TV/VIDEO, TUNER MODE

- 1 Press POWER.

The POWER lamp lights up.

- 2 If video mode (VIDEO-1, 2, 3) has been selected, press TV/VIDEO repeatedly to switch it to AIR (or CABLE).

TV mode → VIDEO-1 → VIDEO-2 → VIDEO-3

TV mode:
CABLE is displayed if you turned off the TV after watching a cable TV broadcast.

- 3 Press MENU ▼ or ▲ repeatedly to select the ANTENNA, then press ◀ or ▶ to select INPUT A or INPUT B.

INPUT A ↔ INPUT B

- 4 If necessary, press MENU ▼ or ▲ repeatedly to select TUNER MODE, then press ◀ or ▶ to select AIR or CABLE.

AIR ↔ CABLE

Channel display:
The channel number is displayed in light blue for AIR, and in yellow for CABLE.

Note:
• TUNER MODE (AIR or CABLE) is automatically selected during AUTO TUNER SETUP.

CHANNEL/HYPER SCAN (↔) BUTTON:
The CHANNEL/HYPER SCAN (↔) button is a two stage button. Its function changes depending on how long you press it.

NORMAL SCAN UP/DOWN:
Each time you press the button lightly (1st stage), the preset stations are scanned one at a time.

HYPER SCAN UP/DOWN:
When you press the button strongly (2nd stage), stations are scanned rapidly. Only stations allocated to channel numbers are scanned. A station is selected when you release the button.

Notes:

- Only preset channels can be selected with scan selection (refer to page 9).
- The button on the front panel allows NORMAL SCAN UP/DOWN only.

Note:
• You can also use VOLUME (↔) on the front panel.

- 6 Press VOLUME (↔).

The level indicator appears.

+ : The bars move right and the volume increases.
- : The bars move left and the volume decreases.

- 7 Press POWER to turn the power off.



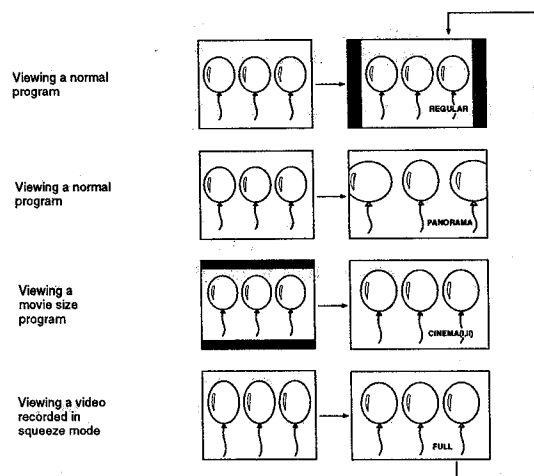
The POWER lamp goes off.

Changing the Picture's Aspect Ratio

—ASPECT

You can watch programs with the usual TV picture ratio of 4:3, and 16:9 movie size programs.

1. Press ASPECT repeatedly to change the aspect ratio.



Note:

- When a video disc player, video movie camera, and other equipment are connected by S-VIDEO cable, the aspect ratio may change automatically when you start playback. Change the aspect ratio manually if necessary.

Note:

- The sides of the picture are slightly stretched.

Note:

- If the subtitles are difficult to read, raise the picture (see page 13).

Notes:

- When viewing a video recorded in squeeze mode by a JVC video movie camera, the picture is shown in FULL mode automatically if you use S-VIDEO cable.
- For normal programs, the picture is slightly stretched.

Raising the picture in CINEMA I or CINEMA II

—VERTICAL POSITION

In CINEMA I or CINEMA II mode, if subtitles are not visible, you can raise the picture.

Condition:

- Set the Aspect Ratio to CINEMA I or CINEMA II.

1. Press MENU ▼ or ▲ repeatedly to scroll to VERTICAL POSITION, then press ◀ or ▶ to select it.



2. Press MENU ▼ or ▲ to adjust the vertical position.

- This completes the procedure. To leave the menu, press EXIT.

—VERTICAL SIZE

1. Press MENU ▼ or ▲ repeatedly to scroll to VERTICAL SIZE, then press ◀ or ▶ to select it.



2. Press MENU ▼ or ▲ to adjust the vertical size.

- This completes the procedure. To leave the menu, press EXIT.

Two-picture Screen

— PIP or POP

Two screens (one large and one small) can be displayed at the same time. While viewing playback from a VCR, you can also watch TV.

Conditions:

- Connect the playback device (for example, VCR) (refer to page 35).
- You can only listen to the sound of the PIP picture by using cordless headphones (not supplied) (refer to page 35).

PIP:
Picture In Picture

POP:
Picture Outside Picture

Notes:

- Two programs in different broadcast modes (CHANNEL, CABLE A, CABLE B) cannot be viewed simultaneously.
- If there is no picture in the MAIN picture frame, a PIP or POP picture will not appear.

To display the PIP or POP picture

— ON/OFF

1. Press ON/OFF.

The PIP or POP picture appears.

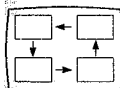
2. To remove the PIP or POP picture, press ON/OFF again.

The PIP or POP picture disappears.

To change the position of the PIP or POP picture

— POSITION

1. Each time you press POSITION, the PIP or POP picture changes position.



To swap the MAIN picture and the PIP or POP picture

— SWAP

1. Press SWAP.

The MAIN picture and PIP or POP picture swap places.

To switch the PIP or POP picture input

— SOURCE

1. Press SOURCE repeatedly to select the desired input.

→TV mode→VIDEO-1→VIDEO-2→VIDEO-3→

TV mode:
When watching TV, the channel number is displayed on the screen.

To freeze the PIP or POP picture

— FREEZE

1. Press FREEZE.

The PIP or POP picture pauses.

- To restore the regular picture, press FREEZE again.

Notes:

- If FREEZE is pressed while there is no PIP or POP picture, the PIP or POP picture will appear and then pause.
- If the PIP or POP picture is paused, pressing SWAP, SOURCE, or SIZE unfreezes it.

Selecting PIP or POP

— PIP / POP button

Condition:

- Set the Aspect Ratio to REGULAR (see page 12).

1. Press PIP / POP.

The small picture changes position.



MENU selection

—MENU, HELP, EXIT

Most television functions can be operated from the remote control. When using menus, you can view screens explaining each function.

1. Press MENU ▼ or ▲.

A list of functions is displayed.

Note:

- From here on, "MENU" will be omitted from ▼ ▲ ◀ ▶ button names.

2. Press ▼ or ▲ repeatedly to select the function you want.

The function you have selected is displayed in yellow.

3. Press ◀ or ▶ to enter the setting screen.

The setting screen of the selected function is displayed.

Note:

- To cancel the operation, press EXIT.

4. Following the on-screen instructions, use ▼ and ▲ to move the cursor and ◀ or ▶ to make settings.

●When you complete this procedure, press EXIT to leave the menu screen.

Viewing explanations of functions

—HELP

1. Press HELP during menu operations.

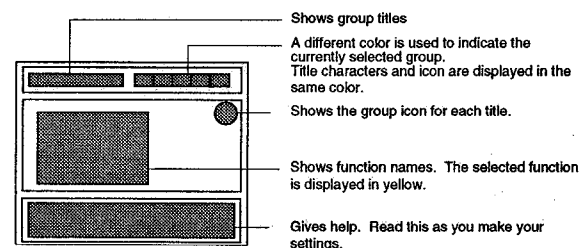
The screen shows an explanation of the currently selected function or tells you how to make settings.

Note:

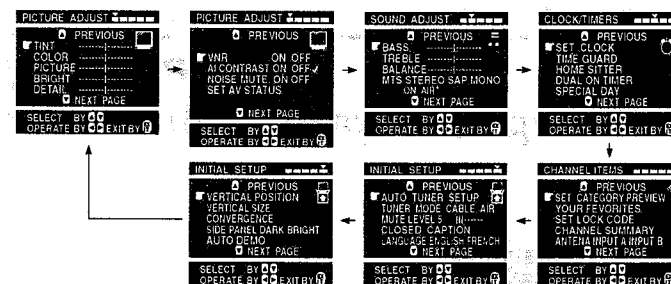
- If you press HELP before making settings (when the function name is displayed in yellow), the help screen explains the function. If you press HELP while making settings, the screen tells you how to make settings.

2. To return to the original screen, press HELP again.

MENU Screens



MENU Screen List

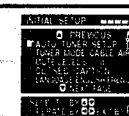


Changing the Menu to French

—LANGUAGE

Most of the functions of this TV are selected while watching the menus. You can change the language of the menus into French.

1. Press the MENU buttons to scroll to LANGUAGE.



2. Press ◀ or ▶ to select the language.

- This completes the procedure. To leave the menu, press EXIT.

Adjusting the TV to Room Conditions

—THEATER/AV STATUS

Adjust the picture instantly to suit the program you are watching and the room you are in.

1. Press THEATER/AV STATUS repeatedly to select the mode.

THEATER → BRIGHT ROOM → CHOICE → RESET

- The picture changes to the selected mode.
The display disappears automatically after a few seconds.

THEATER:

- Makes the picture softer and deeper. Darken the room when viewing to get the best effect.
- TINT, COLOR, PICTURE, BRIGHT, and DETAIL sliding scales are set to the center.

BRIGHT ROOM:

- Suitable for watching in a bright room.
- PICTURE is set to maximum.

CHOICE:

- Refer to page 20.

RESET:

- TINT, COLOR, PICTURE, BRIGHT, and DETAIL are set to the center.

Adjusting the Picture

—TINT, COLOR, PICTURE, BRIGHT, DETAIL, VNR, NOTCH

Adjust the picture to suit the program and room brightness, as you like.

1. Press the MENU buttons to display the picture adjustment screen.



2. Press ▼ or ▲ to scroll to an item, then press ◀ or ▶ to set its level (or switch it ON/OFF).



- This completes the procedure.
To leave the menu, press EXIT.

Notes:

- There are two pages for picture adjustment.
- For NOISE MUTE, refer to page 21, and for SET AV STATUS, page 20.

Note:

- For details on menu operations, refer to page 16.

Restoring factory settings:

- Press THEATER/AV STATUS repeatedly to select RESET.

Note:

- The selected item is displayed in yellow.

VNR:

Video Noise Reduction

AI CONTRAST:

Automatically adjusts the contrast to suit the brightness of the picture you are viewing.

THEATER/AV STATUS
TINT, COLOR, PICTURE, BRIGHT, DETAIL, VNR, NOTCH
BASS, TREBLE, BALANCE
MTS

Adjusting the Sound

—BASS, TREBLE, BALANCE

Adjust the sound to suit the program and room conditions, if necessary.

1. Press the MENU buttons to display the sound adjustment screen.



2. Press ▼ or ▲ to scroll to an item, then press ◀ or ▶ to set it.



- This completes the procedure.
To leave the menu, press EXIT.

Note:

- For MTS, refer to "Listening to Stereo or Bilingual Broadcasts" on this page.

Listening to Stereo or Bilingual Broadcasts

—MTS

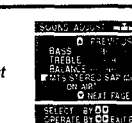
Enjoy music and sports programs in stereo or listen to bilingual broadcasts in either language.

MTS:

Multichannel Television Sound

1. Press the MENU buttons to scroll to MTS.

"←ON AIR" indicates the sound type in use for the current program.



2. Press ◀ or ▶ to select the mode you want (STEREO, SAP, MONO).

- This completes the procedure.
To leave the menu, press EXIT.

Notes:

- MTS has no effect on normal sound broadcasts.
- MTS may not function normally while you are watching cable TV.

STEREO:

Stereo audio program

SAP:

Second Audio Program (for bilingual programs)

MONO:

Use this option when there is a lot of noise.

Storing Picture/Sound Adjustments

— SET AV STATUS

Memorize picture/sound adjustments and use them later to enhance the program being watched.

1. Press the MENU buttons to select SET AV STATUS.

The SET AV STATUS menu appears.



2. Press ▼ or ▲ to scroll to an item, then press ◀ or ▶ to set it (or switch it ON/OFF).



Note:

- Pressing ▼ while at NOTCH displays the sound adjust menu.
- Pressing ▲ while at BASS displays the picture adjust menu.

3. Press ▼ to move the cursor to SAVE AS CHOICE, then press ◀ or ▶ to select it.

- The setting is stored and the MENU screen returns.
- To leave the menu, press EXIT.

To recall stored picture and sound settings.

1. Press THEATER/AV STATUS repeatedly to select CHOICE.

THEATER → BRIGHT ROOM → CHOICE → RESET

- The television changes to the stored settings.
- The display disappears automatically after a few seconds.

Muting the Sound

— MUTE, MUTE LEVEL

You can mute the volume completely (to 0), or to a preset level. Muting is convenient when you answer the phone or when you need to talk to someone.

1. Press MUTE.

The volume is set to a preset level and "MUTE" appears on the screen.

- Pressing it again restores the volume.

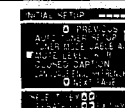
Notes:

- Muting can also be canceled by pressing VOLUME (+/-).
- If the volume is already lower than the preset mute level, pressing MUTE sets the sound to "0".

To set the mute level

— MUTE LEVEL

1. Press the MENU buttons to scroll to MUTE LEVEL.



2. Press ◀ or ▶ to set the mute level.

- This completes the procedure.
- To leave the menu, press EXIT.

HANDY CHANNEL SELECTION

Learning Your Favorite Channels

— YOUR FAVORITES

This TV automatically memorizes the channel being received. Use this function to list the three most frequently watched channels and then select one from this list.

Condition:

- The built-in clock must be set (refer to page 26).

- Press the MENU buttons to select YOUR FAVORITES.



- Press ▼ or ▲ to scroll to the channel you want, then press ◀ or ▶ to select it.

- The channel you selected appears and the display disappears.

Notes:

- Two sets of your favorite channels are stored for each time period: DAYTIME and EVENING.
DAYTIME : 4:00 am to 5:59 pm
EVENING : 6:00 pm to 3:59 am
- If the clock is not working, this function is not activated.
- If there is a power interruption, stored channels are erased.

Notes:

- Each channel appears for a few seconds.
- If you select this function when no channels are stored, "NOT ACTIVE" is displayed.

Selecting a Channel by Category

— CATEGORY PREVIEW

There are six categories. You can set six channels for each category.

Setting Procedure

- If necessary, select the broadcast mode for the channels you will set (ANTENNA A or B and AIR or CABLE).

To select the broadcast mode:
Refer to page 11 "Watching a television program", steps 3 and 4.

- Press the MENU buttons to select SET CATEGORY PREVIEW.

The six categories are displayed.



- Press ▼ or ▲ to scroll to the category you want, then press ◀ or ▶ to select it.

The channel setting menu is displayed.

**HANDY CHANNEL SELECTION**

YOUR FAVORITES

CATEGORY PREVIEW

- Press the MENU buttons to make the settings.

- Press ▼ or ▲ to select the category position.
- Press ◀ or ▶ to select a channel for the position.
- Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

To continue setting other channels:

- To set in the same category, repeat 1 and 2 of step 4.
- To set in a different category, repeat steps 3 and 4.

Note:

- A channel which has been locked using CHANNEL GUARD cannot be set (refer to page 25).

If you select CANCEL:

All the channel settings for all the categories are canceled.

- Press ▼ or ▲ to move the cursor to FINISH, then press ◀ or ▶ to save your category selections.

- This completes the procedure.
The settings are stored and the display disappears.

To select a set channel

- Press CATEGORY PREVIEW.

The six categories are displayed.



- Press ▼ or ▲ to scroll to the category you want, then press ◀ or ▶ to select it.

A list of channels is displayed.



- Press ▼ or ▲ to scroll to the channel you want, then press ◀ or ▶ to select it.

- The channel you selected appears and the display disappears.

Note:

- Each set channel appears for a few seconds.

Checking and Setting Channel Status

—CHANNEL SUMMARY

View a summary of the channel settings and then change the scanned channels, station ID, and channel guarding.

To view the settings

1. Press the MENU buttons to select CHANNEL SUMMARY.

The CHANNEL SUMMARY menu is displayed and you can view the current settings. From this menu, you can make these settings.



SCAN:

Turn scanning on or off for the selected channel by pressing CHANNEL/HYPER SCAN (→/←).

Channels that have stations are marked with ✓.

Channels allocated stations during AUTO TUNER SETUP are also marked with ✓.

ID:

Set a station name of up to 4 characters. You can set station names for up to 50 channels.

LOCK:

Channels that you can not watch without inputting the LOCK CODE.

Note:

- To select a channel from the CHANNEL SUMMARY menu, use CHANNEL/HYPER SCAN (→/←). Each time you press the button lightly (1st stage), the next channel is selected. When you press the button strongly (2nd stage), the cursor moves to the next scannable channel.

To set other channels:

Use CHANNEL/HYPER SCAN (→/←) to move the cursor to the channel you want to set and repeat step 1.

To set a channel to be scanned

Choose which the channels you can select using the CHANNEL/HYPER SCAN (→/←) button. You can also delete channels selected during AUTO TUNER SETUP.

Condition:

- You must display the CHANNEL SUMMARY menu to select the channel you want to set.

1. Press ◀ or ▶ to set or delete a channel.

Scannable channels are marked with ✓.

- This completes the procedure. To leave the menu, press EXIT.

To set station IDs

This procedure displays a four-character station name with the channel number.

Condition:

- You must display the CHANNEL SUMMARY menu to select the channel you want to set.

1. Press ▼ or ▲ to scroll to the ID row. Press ◀ or ▶ to enter the ID setting menu.

The station ID setting menu is displayed.



Notes:

- The station ID is displayed when a channel is selected and when YOUR FAVORITES or CATEGORY PREVIEW is selected.
- Channels for which station IDs have been set are automatically scannable. When you delete a preset channel from scanning, its station ID is also cleared automatically.

2. Press ◀ or ▶ to select the character, then press ▼ to enter it.

When you enter one character, the cursor moves to the next position. Repeat step 2 to enter four characters.

- This completes the procedure. Select FINISH to return to the CHANNEL SUMMARY menu. To leave the menu, press EXIT.

To set channel guarding (CHANNEL GUARD)

This locks channels so they cannot be watched without inputting the lock code.

Condition:

- You must display the CHANNEL SUMMARY menu to select the channel you want to lock.

1. Press ▼ or ▲ to move the cursor to the LOCK row, then press 0.

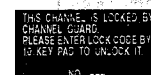
Guarded channels are marked with Ⓛ.

- This completes the procedure. To leave the menu, press EXIT.

To view guarded channels

1. Press the number buttons to select the guarded channel.

The display appears requesting your LOCK CODE.



2. Press the number buttons to input the lock code.

- The display disappears and the channel you selected appears.

To set the LOCK CODE

— SET LOCK CODE

This procedure sets the lock code, which is used for the CHILD TIMER and for guarded channels.

1. Press the MENU buttons to select SET LOCK CODE.

The lock symbol appears.

2. Press 0 before the symbol disappears.

The SET LOCK CODE menu is displayed.

3. Press ◀ or ▶ to select the number, then press ▼.

Repeat step 3 to set a 3-digit LOCK CODE.

4. Press ▼ to move the cursor to FINISH, then press ◀ or ▶ to select it.

- This completes the procedure. To leave the menu, press EXIT.



Press 0



To set other channels:

Use CHANNEL/HYPER SCAN (→/←) to move the cursor to the channel you want to set and repeat Steps 1 and 2.

Notes:

- The LOCK CODE is the same as that of the CHILD TIMER. The LOCK CODE is "000" when the TV is shipped from factory and after a power interruption.
- A guarded channel cannot be assigned to CATEGORY PREVIEW, DUAL ON TIMER, or HOME SITTER.

To lock other channels:

Press CHANNEL/HYPER SCAN (→/←), move the cursor to the channel you want to set, and repeat step 1.

Note:

- Guarded channels cannot be selected using CHANNEL/HYPER SCAN (→/←).

If the wrong LOCK CODE is entered:

"INVALID LOCK CODE." is displayed and the channel remains unchanged.

If you forget the LOCK CODE:

Set another lock code.

Setting the Clock

— SET CLOCK

The TV has a built-in clock which displays the current time on the screen. The timer functions do not work if this clock stops.

1. Press the MENU buttons to select SET CLOCK.

The SET CLOCK menu is displayed.



2. Press ▼ or ▲ to scroll, then press ◀ or ▶ to set the current time and date.

Notes:

- If there is a power interruption, the clock will stop. However, if the power interruption lasts only a few minutes, the clock will be slow by the number of minutes the power was cut off. In this case, set the clock again.
- The clock is in 12-hour time.

If a timer function is selected without setting the clock:

"POWER INTERRUPTED WOULD YOU SET CLOCK FIRST?" appears on the screen.

If you select YES, the SET CLOCK menu is displayed. Set the clock. Once the clock is set, the display returns to timer setting mode and you can set the timer.

If you select NO, timer setting mode ends and a message appears telling you that the timer cannot be set.

3. Press ▼ to scroll to START CLOCK, then press ◀ or ▶ to start the clock.

"THANK YOU" is displayed and the display disappears.

Sleep Timer Operation

— SLEEP TIMER

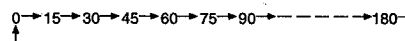
The TV will turn off even if you fall asleep while watching it.

Condition:

- The built-in clock must be set (see above).

1. Press SLEEP TIMER to set the duration.

Each time you press SLEEP TIMER, the duration increases 15 minutes.



Notes:

- After the SLEEP TIMER turns off the TV, its setting is canceled.
- If the TV is turned off or if there is a power interruption, the SLEEP TIMER is canceled.
- The SLEEP TIMER can be set up to 180 minutes from the current time.
- If the clock is not working, the SLEEP TIMER cannot be set.
- 20 seconds prior to turning off the TV, "GOOD NIGHT!! PUSH SLEEP TIMER BUTTON TO EXTEND" is displayed on the screen. If you press SLEEP TIMER while this message is on the screen, the duration is extended 15 minutes.

Guarding the channel

— TIME GUARD

If the clock is set, you can lock channels so that viewers must enter a LOCK CODE to view them.

Condition:

- The built-in clock must be set.

1. Press the MENU buttons to select TIME GUARD.

The lock symbol is displayed.



2. Press 0 before the symbol disappears.

The TIME GUARD list is displayed.



3. Press ▼ or ▲ to scroll to a position, then press ◀ or ▶ to select it.

The TIME GUARD set menu is displayed.



4. Press the MENU buttons to make each setting.

Press HELP for an explanation of how to make settings. The TIME GUARD list screen returns.

5. Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

- This completes the procedure. To leave the menu, press EXIT.

To view guarded channels

1. Press the number buttons to select the channel.

The display requests your LOCK CODE.

2. Press the number buttons to input the LOCK CODE.

- The display disappears and the channel you selected appears.

Notes:

- The clock must be working to set TIME GUARD.
- Guarded channels cannot be selected with CHANNEL/HYPER SCAN (→)

Notes:

- The LOCK CODE is the same as that of channel guard. The LOCK CODE is "000" when shipped from the factory, and after a power interruption.
- Guarded channels cannot be selected with CHANNEL/HYPER SCAN (→)

If the wrong LOCK CODE is entered: "INVALID LOCK CODE" is displayed and the channel remains unchanged.

If you forget the LOCK CODE:

Set another LOCK CODE (refer to page 25).

Turning the TV ON/OFF at a set time, every day

— HOME SITTER

The TV turns on to a set channel at a set time, and turns off at a set time.

Condition :

- The built-in clock must be set (refer to page 26).

- If necessary, select the broadcast mode (ANTENNA A or B, and AIR or CABLE).

- Press the MENU buttons to select HOME SITTER.

The HOME SITTER menu is displayed.



- Press the MENU buttons to make each setting.

- Press ◀ or ▶ to set the times for the TV to turn on and off.
- Press ▼ to scroll, then press ◀ or ▶ to set the channel.
- Press ▼ to scroll, then press ◀ or ▶ to select YES.

- Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

The settings are stored and the menu screen returns.

- This completes the procedure. To leave the menu, press EXIT. The ON TIMER lamp lights up.

Notes:

- If there is a power interruption, the HOME SITTER setting is canceled.
- If the clock is not working, the HOME SITTER cannot be set.

Note:

- The HOME SITTER cannot be set for channels locked by CHANNEL GUARD (refer to page 25).

Timer for desired programs

— DUAL ON TIMER

The TV turns on at a set time, at a set channel. Up to two programs can be set.

Condition:

- The built-in clock must be set (refer to page 26).

- If necessary, select the broadcast mode (ANTENNA A or B, and AIR or CABLE).

Notes:

- After the DUAL ON TIMER turns on the TV, its setting is canceled.
- If there is a power interruption, the DUAL ON TIMER is canceled.
- If no operation is done within two hours after the DUAL ON TIMER turns on the TV, the TV will turn off automatically.
- If the clock is not working, the DUAL ON TIMER cannot be set.

- Press the MENU buttons to select DUAL ON TIMER.

The DUAL ON TIMER menu is displayed.



- Press the MENU buttons to make each setting.

- Press ◀ or ▶ select Timer 1 or 2.
- Press ▼ to scroll, then press ◀ or ▶ to select the time for the television to turn on.
- Press ▼ to scroll, then press ◀ or ▶ to select the channel.
- Press ▼ to scroll, then press ◀ or ▶ to select YES.

- Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

The settings are stored and the menu screen returns.

- This completes the procedure. To leave the menu, press EXIT. The ON TIMER lamp lights up.

Note:

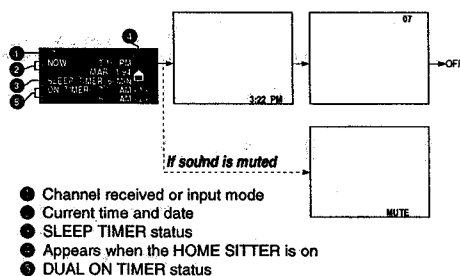
- The DUAL ON TIMER cannot be set for channels locked by CHANNEL GUARD.

Displaying TV status

— DISPLAY

Displays the timer settings, current time, and channel number.

- 1. Press DISPLAY repeatedly.**



Notes:

- If the clock is not working, "CLOCK NOT SET" is displayed instead of the current time.
- Dates of SPECIAL DAYS are shown on the second page.

Turning empty channels blue

— **NOISE MUTE**

Change picture noise that appears on empty channels into a quiet solid blue screen.

- 1. Press the MENU buttons to select NOISE MUTE.**



- 2. Press ◀ or ▶ to select ON or OFF.**

- This completes the procedure.
To leave the menu, press EXIT.

Returning to a Specific Channel

— RETURN⁺

This function allows you to return to a previously selected channel (see below). If the channel you are watching is the selected channel, use this function to return to it after checking other channels (this is especially useful during commercials).

- 1. Press RETURN⁺ button.**

The TV returns to the RETURN CHANNEL.

To select a RETURN CHANNEL,

- 1. Select a channel.**

- 2. Press and hold RETURN⁺ for more than three seconds.**

"RETURN CHANNEL PROGRAMMING" is displayed.

To cancel a RETURN CHANNEL

- 1. Press and hold RETURN⁺ for more than three seconds.**

"RETURN CHANNEL CANCELED" is displayed.

To return to the previous channel

If no RETURN CHANNEL is selected, pressing RETURN+ returns to the last channel viewed.

- 1. Press RETURN⁺.**

The last and current channels alternate.

Note:

- When you turn off the power, or select another channel with the number keys, any selected RETURN CHANNEL is canceled.

Viewing Closed Captions

— CLOSED CAPTION

Use this function to watch closed captions of a TV broadcast, a video cassette, or a video disc.

Condition:

- Tune the TV to a program or video source which contains closed captions.

1. Press CLOSED CAPTION repeatedly.

→CLOSED CAPTION→TEXT→OFF

To set CAPTION mode and TEXT mode

1. Press the MENU buttons to select CLOSED CAPTION.

The CLOSED CAPTION menu is displayed.



2. Press the MENU buttons to make each setting.

1. Press ◀ or ▶ to set CAPTION mode.
2. Press ▼ to scroll, then press ◀ or ▶ to select TEXT.
3. Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

The settings are stored and the menu screen returns.

- This completes the procedure.
To leave the menu, press EXIT.

To select the closed captions' BACKGROUND

1. Press the MENU buttons to select CLOSED CAPTION.

The CLOSED CAPTION menu is displayed.



2. Press the MENU buttons to make each setting.

1. Press ▼ to scroll to BACKGROUND, then press ◀ or ▶ to select BLACK or CLEAR.
2. Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

The settings are stored and the menu screen returns.

- This completes the procedure.
To leave the menu, press EXIT.

Notes:

- Closed captions may not be displayed correctly for cable TV or a video source with copy guard.
- If poor reception affects the display of closed captions, press CLOSED CAPTION again, or retune the channel.

TEXT:

For teletext
If a black background appears while watching video tapes and discs without closed captions, turn this function off.

About CAPTION/TEXT mode:

Press HELP in step 1 or 2 to show the help screen.

Messages for Special Days

— SPECIAL DAY

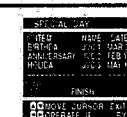
Displays a reminder on a special day (such as a birthday or anniversary).

Condition:

- The built-in clock must be set (refer to page 26).

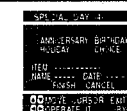
1. Press the MENU buttons to select SPECIAL DAY.

The SPECIAL DAY list is displayed.



2. Press ▼ or ▲ to scroll to an item, then press ◀ or ▶ to select it.

The SPECIAL DAY setting screen is displayed.



3. Press ▼ or ▲ to scroll to an item (ANNIVERSARY, HOLIDAY, BIRTHDAY, CHOICE), then press ◀ or ▶ to select it.

If you select CHOICE:

You can make your own message. Scroll using ▼ or ▲ and press ◀ or ▶ to select a character. Your message can be up to 11 characters long.

4. Press the MENU buttons to make each setting.

1. Press ◀ or ▶ to select a character, then press ▼ to enter it.
When you enter a character, the cursor moves to the next one. Repeat until you have a five-character name.
2. Press ◀ or ▶ to set the month and day.
3. Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.
The settings are stored and the SPECIAL DAY list returns.

5. Press ▼ to scroll to FINISH, then press ◀ or ▶ to select it.

- This completes the procedure.
To leave the menu, press EXIT.

Changing the Side Panel Brightness

— SIDE PANEL

In REGULAR mode, the brightness of the dark panels on the sides can be changed.

Condition:

- Set the Aspect Ratio to REGULAR (refer to page 12).

1. Press the MENU buttons to scroll to SIDE PANEL.



2. Press ◀ or ▶ to select DARK or BRIGHT.

- This completes the procedure. To leave the menu, press EXIT.

Convergence Adjustment

— CONVERGENCE

Use this feature to adjust the color if it is irregular near the edges.

1. Press the MENU buttons to scroll to CONVERGENCE, then press ◀ or ▶ to select it.



2. Press ▼ or ▲ to scroll to RED or BLUE, then press ◀ or ▶ to select it.



3. Press the MENU buttons to adjust the convergence.

- This completes the procedure. To leave the menu, press EXIT.

Connecting External Equipment

— CONNECTION DIAGRAM

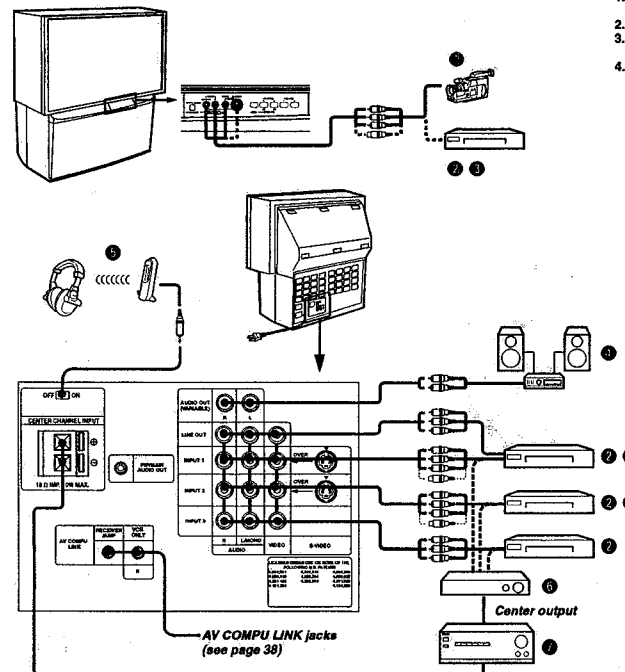
Conditions:

- Before connecting equipment, disconnect the TV's power cord from the AC outlet.
- To view a video played back by a connected device such as a VCR, press TV/VIDEO (see step 2 on page 11).

- Video Camera
- VCR
- S-VHS VCR or camera
- Audio component
- Cordless headphones
- Surround Processor
- Audio Amplifier

Notes:

- See the "Notes" on page 7 and the operating instructions of the external equipment.
- Interference from external equipment may cause picture quality to deteriorate. If picture noise occurs, turn OFF equipment that you are not using or move connected devices further apart.
- Connect the video signal of an S-VHS VCR to the S-VIDEO jack.
- To view video input from external equipment connected to the INPUT 3 jacks on the front panel:
 1. Turn the front panel INPUT 3 SELECT switch to FRONT (◀).
 2. Press TV/VIDEO to select VIDEO-3.
 3. Start playback on the external equipment.
 4. When you are finished, turn the INPUT 3 SELECT switch back to REAR (▶).



Using the TV's remote control to operate a CATV converter and VCR — TV/CATV SELECTOR

The remote control can be used to operate a CATV converter and VCR.

Condition:

- Enter the VCR and CATV converter manufacturer's codes into the remote control.

1. Set the TV/CATV selector to CATV.

CATV converter-controllable buttons:

POWER, CHANNEL/HYPER SCAN (-/+), number buttons, 100+, RETURN* (depending on the type of CATV encoder, the 100+ and RETURN* buttons may work as the ENTER button).

VCR-controllable buttons:

REW, PLAY, FF, REC, STOP, PAUSE, VCR POWER, VCR CHANNEL

Setting the manufacturer's code

1. Press POWER (or VCR POWER) and the RETURN* at the same time.

2. Use the number buttons to input the manufacturer's code, then press RETURN*.

- This completes the procedure.
- Test the remote control.

Manufacturer's code table (CATV converter)

Manufacturer	Manufacturer's Code	Manufacturer	Manufacturer's Code	Manufacturer	Manufacturer's Code
ABC	007 011 013 017	MOVIE TIME	156	SPRUCER	021 307
ANTRONIX	207	NSC	063 070 156	STANDARD COMPONENTS	096 155
ARCHER	153 207	OAK	007 019 248	STARCOM	003 015 047
CABLE STAR	056	PANASONIC	021 107	STARGATE	015 040
CENTURY	153	PARAGON	000	SYLVANIA	001
CITIZEN	153	PHILIPS	025 027 029 030 031 060 280	TANDY	258
COLOUR VOICE	025 031	PHILIPS ECG	242	TEXSCAN	001 098
COMTRONICS	040 060	PIONEER	023 144	TOCOM	012 013 059
EASTERN	002	PULSAR	000	TOSHIBA	000
GARRARD	153	RCA	021	TV86	063
GC ELECTRONICS	056	REALISTIC	207	UNICA	153 207
GEMINI	015 070 242	REGAL	020 259 273 279	UNITED ARTISTS	007
GENERAL INSTRUMENT	011 276	REGENCY	002	UNITED CABLE	003
HAMLIN	009 020 034 259 273	REMBRANDT	070	UNIVERSAL	056 153 207
HITACHI	011	RUNCO	000	VIDEOWAY	250
JASCO	153	SAMSUNG	040 144	VIEWSTAR	027 060 063 111 211 258 289
JERROLD	003 011 012 014 015 026 047	SCIENTIFIC ATLANTA	006 008 017 277	ZENITH	000 054
MACOM	033	SIGNAL	015 040	JERROLD	459
MAGNAVOX	027 032	SIGNATURE	011	SCIENTIFIC ATLANTA	460
MEMOREX	000	SL MARX	040	STARCOM	459

Note:

- When shipped, the remote control is set to operate a JVC VCR and manufacturer's code "000" CATV converter.

To replace the batteries:

The set manufacturer's code will be in memory only for a specific time. When you replace the batteries, do so within one minute (refer to page 9).

Notes:

- The VCR can be operated regardless of the TV/CATV setting.
- Depending on the VCR or CATV converter, a few buttons may not work.

To set the CATV converter:

In step 1, press POWER and RETURN* at the same time.

To set the VCR:

In step 1, press VCR POWER and RETURN* at the same time.

Note:

- In the manufacturer's code table, if a manufacturer has several codes, try each one until you find the one that works.

Manufacturer's code table (VCR)

Manufacturer	Manufacturer's Code	Manufacturer	Manufacturer's Code	Manufacturer	Manufacturer's Code
AIKO	278	LXI	037	RCA UNIFIED	060
AIWA	000	MAGNAVOX	035 081 103 110 149	REALISTIC	000 035 037 046 047 048 062 068 104 240
AKAI	041 049 053 061 106 242	MARANTZ	035 038 081	RICOH	034
AUDIOVOX	037	WARTA	037	RUNCO	039
BELL&HOWELL	104	MEI	035	SAMSUNG	045 053 240
BROKSONIC	121 184 211 361	MEMOREX	000 035 037 039 046 047 048 104	SANSUI	041 067 082 271
CANON	035 167	MGA	043 061	SANYO	046 047 104
CAPEHART	020	MINOLTA	042 105	SCOTT	121 184 210 212
CARVER	081	MITSUBISHI	061 075 173 214 242	SEARS	035 037 042 046 047 054 057 066 104 105
CCE	278	MITSUBISHI UNIFIED	043	SHARP	048 062
CRAIG	047 240 271	MTG	000 240	SHINTOM	072
CURTIS MATHES	035	MULTITECH	000 072	SONY	011 032 033 034 035
DAEWOO	020 045 087 278	NAD	058	STS	042
DAYTRON	020	NEC	038 040 041 067 082	SYLVANIA	035 043 081 103 110
DYNATECH	000	NIKKO	037	SYMPHONIC	000
EMERSON	000 002 037 061 121 184 208 209 211 212 294 295 361	OPTONICA	048 062	TANDY	000
FISHER	047 054 066 104	PANASONIC	035 225	TATUNG	041
FUNAI	000	PENNEY	035 037 038 040 042 240	TEAC	000 041
GE	035 060 065	PENTAX	042 065 105	TECHNICS	035
GO VIDEO	232 279	PHILCO	035	TEKNIKA	000 035 037
GOLDSTAR	018 037 038	PHILIPS	035 062 081 110	TOTEVISION	037 240
HARMAN/KARDON	038 075	PILOT	037	TOSHIBA	043 045 057 066 210 212
HITACHI	000 041 042 065 105 166	PIONEER	168	UNITECH	240
JCL	035	PIONEER UNIFIED	058 067	VECTOR RESEARCH	038 040
JENSEN	041	PORTLAND	020	VIDEO CONCEPTS	040 061
JVC	041 067 068	PULSAR	039	VIDEOSONIC	240
KENWOOD	041 046 067	QUARTZ	046	YAMAHA	038 041
LLOID	000	QUASAR	035 096	ZENITH	033 034 039
LOGIK	072	RCA	035 042 065 105 149 202	WARDS	000 035 042 047 048 062 072 149 212 240

* Some models cannot be set.

If you do not know the manufacturer's code

Some models may be set by following the procedure shown below even if they are not shown in the manufacturer's code table.

1. Press POWER (or VCR POWER) and RETURN* at the same time.

To set the CATV converter:
Press POWER and RETURN* at the same time.

2. Press POWER (or VCR POWER). Repeat step 2 until the CATV converter (or VCR) power comes on.

To set the VCR:
Press VCR POWER and RETURN* at the same time.

3. Press RETURN*.

- This completes the procedure.
- Test the remote control.

AV COMPU LINK connection

— AV COMPU LINK

This TV set is capable of using an AV COMPU LINK. If the TV set is connected to a JVC AV Compu Link-capable VCR and/or hi-fi receiver (or amplifier), automatic switching functions are available.

If the TV set is connected to a JVC AV Compu Link-capable VCR, simply insert a video cassette (with its safety tabs removed) into the VCR. The TV set turns on automatically and the video playback is displayed on the screen.

If the TV set is connected via a JVC AV Compu Link-capable hi-fi receiver (or amplifier) to a JVC AV Compu Link-capable VCR, you can do the following:

- Insert a video cassette (with its safety tabs removed) into the VCR. Both the TV set and receiver (or amplifier) turn on automatically and the video is displayed on the screen.
- Change the input source of the receiver (or amplifier) to video input mode. The TV set's input source selector automatically switches to video input mode [VIDEO-1 or VIDEO-2].
- Turn the receiver (or amplifier) on (or off). Both the TV set and VCR are automatically turned on (or off). For example, if the input source selector of the receiver (or amplifier) is set to "VCR1" and the receiver (or amplifier) is turned on, the TV set and VCR connected to VCR1 are also turned on.

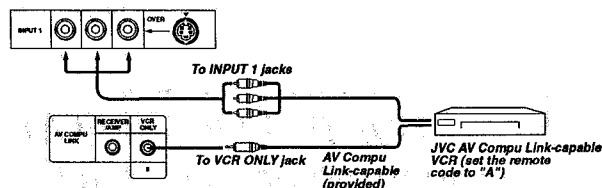
In addition to connecting video and audio signal cables, connect the AV Compu Link cable to the AV COMPU LINK jacks (VCR ONLY or RECEIVER/AMP jacks) to transmit control signals via the AV Compu Link cable.

Notes:

- If the TV set is connected to a VCR, connect the provided AV Compu Link cable to the VCR ONLY jack of the TV set. If the VCR is connected to the RECEIVER/AMP jack, this function is not operable.
- If the TV set is connected to the monitor output of an AV Compu Link-capable receiver (or amplifier), and the VCR is connected to the receiver (or amplifier), connect the AV Compu Link cable to the RECEIVER/AMP jack. If the receiver (or amplifier) is connected to the VCR ONLY jack, this function cannot be operated.
- When a VCR or receiver (or amplifier) is connected to the AV COMPU LINK jacks, set the remote code of the VCR's remote control unit as follows:
 - If a VCR is connected to the TV set's INPUT 1 jacks, set the VCR's remote code to "A".
- Also refer to the instruction manuals of the VCR and/or receiver (or amplifier).

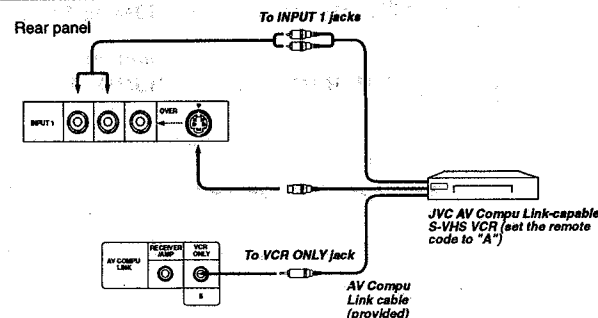
Connecting an AV COMPU LINK-capable VCR

Rear panel

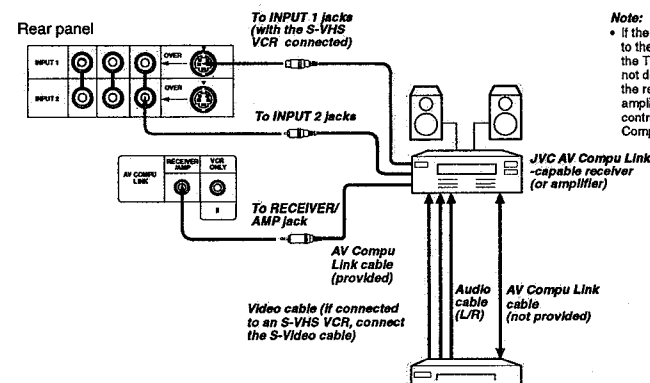


VCR Remote control code A switches the TV to VIDEO INPUT 1.
VCR Remote control code B switches the TV to VIDEO INPUT 2.

Connecting an AV COMPU LINK-Capable S-VHS VCR



Connecting an AV COMPU LINK-Capable Receiver (or Amplifier)



Notes:

- If the AV Compu Link cable is connected to the TV set's RECEIVER/AMP jack, the TV set's remote control sensor does not detect remote control signals. Aim the remote control at the receiver (or amplifier). Signals from the remote control are transmitted via the AV Compu Link cable to the TV set.

Using Center Speaker for Surround Sound

— CENTER SPEAKER

You can use the TV's speaker as the center speaker.

Condition:

- Connect center output with Surround processor to an amplifier (refer to page 35).

1. Turn the speaker switch ON.

OFF  ON

Notes:

- Use an amplifier with 20 W output (or less) and 16 ohms impedances.
- Use separate amplifiers and speakers for FRONT and REAR surround processor output.

Troubleshooting

- If the power cord plug is disconnected from the AC outlet, or the TV antenna is causing problems, you may think there is a problem with the TV itself; be sure to check the following items before calling for service.

Important:

- Review all the instructions in this manual.

■ GENERAL

Problem	Cause	Action
No power supply	Is the power plug disconnected?	Insert the plug into the AC outlet (refer to page 8).
No picture or sound	Is the antenna disconnected?	Check the antenna connections (refer to page 8).
	Is the antenna facing in the correct direction?	Aim the antenna in the correct direction.
	Is the input mode (TV, VIDEO-1, 2, 3) set to an incorrect position?	Press TV/VIDEO to set the correct mode (refer to page 11).
	Is the broadcast mode set properly?	Set the correct tuner mode with the MENU buttons (refer to page 11).
	Is the TIME GUARD operating?	Enter the LOCK CODE (refer to page 29).
Inoperable remote control	Is the TV station the problem?	Watch another channel. If there are no problems with that channel, the TV station is the problem.
	Are batteries exhausted?	Replace the batteries (refer to page 9).
	Is the batteries' +/- polarity correct?	Insert the batteries correctly (refer to page 9).
	Is the remote control too far from the TV?	Operate the remote control within approx. 23 ft (7 meters) of the TV.
	Are there any obstructions between the remote control and TV?	Remove any obstructions between the remote control and TV.
The channel cannot be selected	Is the TV/CATV selector set properly?	When operating the TV, set the TV/CATV selector to TV.
	The TV is not receiving remote control commands.	Press POWER on the TV to turn it off, then turn it on again.
	Have the channels been set?	Preset the channels (refer to page 10).
The power shuts off automatically	Is the selected channel guarded?	Press the remote control number buttons to select the channel, then enter the LOCK CODE (refer to page 25).
	Is the TV/CATV selector set properly?	When operating the TV, set the TV/CATV selector to TV.
The power shuts off automatically	Is the SLEEP TIMER set?	Press POWER to turn on the TV again (refer to page 26).
The TV clock is incorrect or the clock has stopped	Was there a power interruption?	Set the clock correctly (refer to page 26).
The timer does not work	Was there a power interruption?	If there is a power interruption, the timer is canceled. Set it again. Also check that the clock is correct (refer to pages 26 to 29).

■ PICTURE

Problem	Cause	Action
Poor colors	Are the COLOR and TINT controls adjusted incorrectly?	Adjust the COLOR and TINT controls (refer to page 18).
	Is THEATER STATUS mode set?	Cancel THEATER STATUS mode (refer to page 18).
	Is it a black and white program?	Change the channel and watch a color program.
Lines or streaks in the picture (interference)	Could there be interference, perhaps from a personal computer, TV, VCR, audio component or radio station?	Move the components apart until the interference is eliminated. Reposition the antenna.
Spotted picture (crosstalk)	Could there be interference, perhaps from a hair dryer, electric cleaner, neon sign, high tension wire, automobile, or motorcycle?	Move the antenna away from the source of interference. Replace the antenna cable with a coaxial cable, which is less prone to interference.
Double pictures (ghost)	Could TV signals be affected by signals reflected, perhaps from mountains or buildings?	Reposition the antenna. Replace with an antenna with better directionality.
Snowy picture (image noise)	Is the external antenna cut or disconnected?	Check the antenna connection (refer to page 8). Position the antenna correctly.
	Has the antenna been turned, perhaps due to a strong wind?	Replace or repair the antenna.
	Is the antenna damaged?	Replace or repair the antenna.
The screen turns blue	Is an empty channel selected?	Select another channel.
	Is NOISE MUTE on?	Turn off NOISE MUTE (refer to page 30).
When a video tape is played, a blue background appears first	Is NOISE MUTE on?	Turn off NOISE MUTE (refer to page 30).
The VCR picture does not appear on the screen	Is the VCR or playback device connected to the TV?	Connect the VCR or playback device to the TV and start playback (refer to page 35).
A black square is covering 80% of the TV screen	Is the Closed Caption Text mode on?	Press CLOSED CAPTION to turn off Text mode (refer to page 32).

■ SOUND

Problem	Cause	Action
Bilingual/stereo broadcasts cannot be heard	Is the MTS mode set correctly?	Set it to STEREO or SAP mode (refer to page 19).

The following are normal occurrences and are not the result of TV malfunctions:

- When you touch the CRT (Cathode Ray Tube: picture tube) surface, you might feel a slight charge of static electricity. This is because the CRT contains static electricity; it does not affect the human body.
- Your TV may emit a crackling sound due to a sudden change in temperature. There is no problem unless the picture or sound is abnormal.
- When a still bright image (of a white dress, for example) appears on the screen, the image may be colored. This problem occurs in all CRTs, and when the bright image disappears, the coloration also disappears.

Specifications

Type	: WIDE SCREEN PROJECTION TELEVISION
Reception Standard	: NTSC, BTSC (multi-channel sound)
Received channels	: VHF 2 to 13, UHF 14 to 69; Sub Mid, Mid, Super, Hyper and Ultra bands (180-channel frequency synthesizer system)
Power source	: 120 V AC, 60 Hz
Power consumption	: Max. 225 W, Avg. 186 W
Projection tube	: Three 6.7 inch tubes
Screen	: Transparent screen
Screen size	: 55 inch, aspect ratio of 16:9, 48" (W) x 27" (H) = 55" (diagonal)
Audio output	: 10 W + 10 W
Speakers	: Round 6.3" speaker x 2, round 4.7" speaker x 1
Antenna terminal	: 75 ohm (VHF/UHF) terminal (F-type connector) x 2 SPLIT OUT terminal x 1
External input (INPUT 1, 2, 3) jacks	: S-VIDEO (except INPUT 3): Y/1 Vp-p Positive, 75 ohms (negative sync provided) C/0.286 Vp-p (burst signal), 75 ohms Video: 1 Vp-p, 75 ohms Audio: 500 mV rms (-4 dBs), high impedance More than 0 to 1550 mVrms (+6 dBs), low impedance (400 Hz when modulated 100 %)
Variable audio output terminal	: Video: 1 Vp-p, 75 ohms Audio: 500 mV rms (-4 dBs), low impedance (400 Hz when modulated 100 %)
Line output terminals	: Video: 1 Vp-p, 75 ohms Audio: 500 mV rms (-4 dBs), low impedance (400 Hz when modulated 100 %)
AV COMPU LINK jacks	: 3.5 mm dia. mini jack x 2
PIP/MAIN AUDIO OUT jack	: 3.5 mm dia. stereo mini jack
Speaker input jacks (Center speaker)	: Impedance 16 ohms
External dimensions (W x H x D)	: 50" x 52-3/4" x 27-5/8", 126.8 x 133.2 x 70.0 cm
Weight	: 235.4 lbs, 107 kg
Accessories	: Remote control unit (RM-C726) x 1 AAA/R03 battery x 2

Design and specifications subject to change without notice.

FOR CANADA, SEE SEPARATE SHEETS FOR WARRANTY/GARANTIE AND JVC AUTHORIZED SERVICE CENTERS IN CANADA.

HOW TO LOCATE YOUR JVC SERVICE CENTER

TOLL FREE: 1-800-537-5722

Dear customer:

In order to receive the most satisfaction from your purchase, read the instruction booklet before operating the unit. In the event that repair is necessary, or for the address nearest your location, please refer to the factory service center list below or within the Continental United States, call 1-800-537-5722 for your authorized service. Remember to retain your Bill of Sale for Warranty Service.

—JVC

JVC SERVICE & ENGINEERING COMPANY OF AMERICA DIVISION OF US JVC CORP.

FACTORY SERVICE CENTER LOCATIONS

107 Little Falls Road
Fairfield, NJ 07004-2105
(201) 808-9279

5665 Corporate Avenue
Cypress, CA 90630-0024
(714) 229-8011

230 Elliot Street
Ashland, MA 0172-2377
(508) 881-5923

1500 Lakes Parkway
Lawrenceville, GA 30243-5357
(404) 339-2522

10700 Hammerly Suite 110
Houston, TX 77043
(713) 935-9331

14505 Commerce Way
Miami Lakes, FL 33016-1512
(305) 362-6252

705 Enterprise Street
Aurora, IL 60504-8149
(708) 851-7855

2969 Mapunapuna Place
Honolulu, HI 96819-2040
(808) 833-5828

890 Dubuque Avenue
South San Francisco, CA
94080-1804
(415) 871-2666

Sophisticated electronic products may require occasional service. Just as quality is a keyword in the engineering and production of the wide array of JVC products, service is the key to maintaining the high level of performance for which JVC is world famous. The JVC service and engineering organization stands behind our products.

NATIONAL HEADQUARTERS
JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF US JVC CORP.
107 Little Falls Road
Fairfield, NJ 07004-2105

If you ship the product..

Pack your JVC unit in the original carton or one of equivalent size and strength. Enclose, with the unit, a letter stating the problem or symptom that exists and also a copy of the receipt or bill of sale you received when you purchased your JVC unit. Print your home return address on the outside and the inside of the carton. Send to the appropriate JVC Factory Service Center as listed above.

Don't service it yourself.

CAUTION

To prevent electrical shock, do not open the cabinet. No user serviceable parts inside. Refer servicing to qualified service personnel.

ACCESSORIES

To purchase accessories for your JVC product, you may contact your local JVC Dealer. Or from the 48 Continental United States call toll free: 800-882-2345.